Ontario

Ministry of the Environment

Hon. William G. Newman, *Minister*
Everett Biggs, *Deputy Minister*

Water Resources
Bulletin 1-5
General series

DATA FOR NORTHERN ONTARIO WATER RESOURCES STUDIES 1972-1973

WATER RESOURCES
BULLETIN 1-5
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DATA FOR NORTHERN ONTARIO WATER RESOURCES STUDIES 1972-1973

MINISTRY OF THE ENVIRONMENT

Water Resources Branch

TORONTO ONTARIO

1975

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Data for

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1972, 1973

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INTRODUCTION

In October, 1965, the Prime Minister of Canada and the Premier of Ontario had agreed to undertake a series of co-ordinated studies of Ontario's northern water resources and related economic development. Provision was made for the establishment of a Co-ordinating Committee representing the two governments to arrange for the exchange of all information gathered in the studies and to avoid duplication or overlapping of effort by the participating agencies. Most of the work is being undertaken in five large river basins draining to Hudson Bay and James Bay. From northwest to southeast, these are the Severn, Winisk, Attawapiskat, Albany and Moose River basins.

The Co-ordinating Committee prepared a statement of objective for the studies to be carried out separately by agencies of the two governments, as follows:

"With respect to waters draining into James Bay and Hudson Bay in Ontario, to assess the quantity and quality of water resources for all purposes; to determine present and future requirements for such waters; to assess alternative possibilities for the utilization of such waters locally or elsewhere through diversions".

The Government of Ontario delegated its part in the hydrologic and engineering aspects of the studies to the Ontario Water Resources Commission which is now part of the Ministry of the Environment. The OWRC assigned the Hydrologic Data and Surveys and Projects Branches of the Division of Water Resources to pursue these studies. Ontario's responsibilities in the economic aspects of the studies were delegated to the Applied Economics Branch of the Department of Economics and Development, currently with the Ministry of Treasury, Economics and Intergovernmental Affairs.

SCOPE OF BULLETIN

This bulletin is limited to the presentation of data gathered by the Ministry of the Environment during 1972, 1973 and previously unpublished water quality data gathered in 1970 and 1971.

Tables and a map are used to present the data and information on streamflow, groundwater levels, snow-fall, water chemistry, water biology and hydrogeology. A report will be published at the end of the studies and will deal with the interpretation of the data obtained and the significance of the various hydrologic factors to the water resources in northern Ontario. Data collected by other agencies are not included in this publication; however, the locations of hydrometric stations operated by other agencies are shown on the enclosed map.

SURVEY ACTIVITIES

The activities of the two Sections of the Water Quantity Management Branch are described below:

The Hydrologic Data Section was engaged in the development and maintenance of its hydrometric network and the gathering of hydrologic data in the study area. Recorders were maintained and new ones installed on streams and wells for either continuous or short term measurements to provide background data for study by the Surveys and Projects Section.

The Surveys and Projects Section was engaged in the evaluation of hydrogeologic conditions in selected areas and in water quality and lake sediment studies throughout the study area. Well-drilling programs were carried out in the Moosonee and Onakawana areas of the Moose River basin and in the Fort Albany and Nakina areas of the Albany River basin. Surficial geologic studies were done at Fort Albany, Moosonee and Onakawana.

Water samples for chemical water quality evaluation were collected from selected streams, lakes and wells by staff of the Ministry. Samples were collected from selected streams, lakes and wells by staff of the Ministry. Samples were also collected from streams at federal gauging station locations by the Water Survey of Canada for the Ministry. Certain selected streams and lakes were sampled regularly and other selected streams, lakes and wells were sampled only once. Surface-water samples were collected over the entire study area.

In addition to the chemical quality sampling of the selected lakes, the Section obtained physical parameter data at these sampling sites and collected water samples for the determination of phytoplankton and zooplankton counts, and chlorophyll concentrations. Lake sediment samples for chemical analyses were taken as well at a number of these selected lakes.

A limited number of water samples were collected for the determination of heavy metal concentrations in the surface waters within the study area.

Ground-water sampling was done in four areas: Moosonee, Fort Albany, Onakawana and along the roads from Hornpayne to Nakina.

EXPLANATION OF DATA PRESENTATION

All data published in the tables that follow have been grouped according to the major drainage basins. The following comments explain some of the terms and descriptions used.

Locations

Latitude and Longitude were determined from scaling the plotted locations on maps. The descriptions are further elaborated by references to stream features such as confluence, lake outlets or nearest settlement.

Drainage Area

The drainage area of a streamflow station is the area, enclosed by a surficial divide, that contributes to runoff from the precipitation falling on the area. Areas were determined from the maps on the National Topographic System at a scale of 1:250, 000.

Gauges

Where appropriate, types of gauges and brief descriptions of the devices are given. The primary gauge used has been the Brott water level recorder. This instrument operates on the principle of measuring the static pressure on the end of a tube which is slowly bubbling nitrogen gas from a tank under pressure. The pressure sensing element activates a pen on a strip chart recorder.

Discharges

Discharges were computed from streamflow measurements and from stream-stage data collected at automatic water level recording stations using stage-discharge relationships developed for these stations. Stream velocities were measured by either the wading or suspension method. When using the wading method the meter was attached to a rod which was held vertically and rested on the stream bottom. When using the suspension method the meter was suspended from a cable and winch using a boat. In both cases, the stream was divided into approximately 20 sections. Their spacing was selected so that the discharge in each section did not exceed ten per cent of the total discharge. Velocity measurements were taken and the discharge calculated for each section. The total discharge across a river is the sum of these discharges.

Velocity measurements were taken at 0.2 and 0.8 of the depth of each section and were averaged to give the velocity of the sections. In extremely shallow conditions, velocity measured at 0.6 of the depth from the water surface was assumed to be the average velocity. Most of the boat measurements were done utilizing a tag line suspended across the river. This was to position the boat at the selected section and to steady the boat in the current.

Snow Courses

Snow courses consisting of ten sampling points, spaced approximately 100 feet apart, were laid out in the bush so that typical average snow depths could be measured. The snow courses were sampled by a Mount Rose sampler which involved the taking of a core of snow in a tube, recording the depth of snow, weighing the core and sampler and calculating the water equivalent from the weight of the core.

Water Quality

Temperature, conductivity and secchi disk readings of the surface waters were measured in the field; dissolved oxygen, turbidity and colour were determined in the field office; and all chemical and biological analyses on surface and ground water samples were done at the Ministry's Toronto Laboratory.

Biology Sampling

Biological samples were collected with water quality samples. Phytoplankton samples were collected by hauling a composite sampler through a distance equal to 2.5 times the distance of the secchi disk reading or from one foot above the bottom when the lake depth was less than that distance. Zooplankton samples were taken with one vertical haul of a Wisconsin plankton net, from two feet above the bottom to the surface.

Lake Sediment Sampling

Lake sediment samples were collected by means of an Eckman dredge. The top centimeter of sediments were collected and sent to the Ministry's laboratories for chemical analyses.

FIELD PERSONNEL

The field activities were co-ordinated by Mr. R. Pikula until September 1972 and thereafter by Mr. W. Lammers. The personnel engaged in the Northern Ontario Water Resources Studies field activities during the years 1972 and 1973 are listed below:

1972

Surveys and Projects Section

R. Pikula - Engineer
K. T. Wang - Geologist
A. Roy - Scientist
C. Boodram - Technician
D. Andrijiw - Summer Student

Hydrologic Data Section

D. Bruce - Engineer
D. Moore - Technician

1973

Surveys and Projects Section

W. Lammers - Engineer
A. Roy - Scientist

Hydrologic Data Section

D. Bruce - Engineer
D. Moore - Technician

OTHER SOURCES OF DATA

It should be noted that the data contained in this report are only those collected by staff of the Ontario Ministry of the Environment. Additional information is available from the following agencies:

Streamflow -	Inland Waters Branch, Environment Canada, OTTAWA, Ontario.
Snowcourse -	Atmospheric Environment Service, DOWNSVIEW, Ontario.
	Ontario Hydro Electric Commission, TORONTO, Ontario.
Rainfall -	Atmospheric Environment Service, DOWNSVIEW, Ontario.
	Ontario Ministry of Natural Resources, District Headquarters.
Geology -	Ontario Ministry of Natural Resources, TORONTO, Ontario.
	Geological Survey of Canada, OTTAWA, Ontario.
Chemical Analysis of Water -	Ministry of Natural Resources, TORONTO, Ontario.
	Water Quality Branch, Environment Canada, OTTAWA, Ontario.

TABLE 1
STREAMFLOW
ALBANY RIVER BASIN
1972

STATION NUMBER: 43-01-024
LOCATION: Albany River at Outlet of Miminiska Lake
51° 33' N, 88° 33' W
DRAINAGE AREA: 3,360 sq. miles
GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5340	5060	4800	4390	5380	5610	2290	3560	3750	5830		
2	5490	5050	4820	4380	5630	5420	2190	3540	3540	5940		
3	5580	5050	4800	4310	6080	5280	2140	3520	3380	6070		
4	5580	5020	4760	4290	6500	5110	2090	3430	3280	6180		
5	5570	4990	4750	4260	6950	4990	1990	3500	3180	6180		
6	5590	4960	4740	4270	7360	4890	1930	3430	3050	6090		
7	5580	4940	4770	4250	7620	4750	1920	3380	3120	6040		
8	5560	4910	4750	4240	7780	4640	1920	3320	3040	6200		
9	5610	4880	4720	4210	7910	4520	2030	3230	2980	5880		
10	5590	4850	4680	4200	7990	4410	2100	3110	2970	5720		
11	5560	4820	4640	4200	8010	4260	2180	3070	3050	5800		
12	5550	4800	4610	4170	7990	4120	2250	2910	3020	5750		
13	5490	4790	4580	4130	8000	3990	2330	2820	3040	5760		
14	5430	4780	4560	4070	8030	3870	2580	2770	3000	5780		
15	5390	4760	4540	4090	7990	3740	2810	2670	3180	5640		
16	5370	4740	4540	4210	8030	3600	3060	2650	3230	5740		
17	5370	4720	4520	4390	8100	3460	3410	2690	3470	5660		
18	5380	4720	4520	4660	8000	3280	3690	2770	3630	5520		
19	5370	4730	4520	4980	8010	3370	3810	2830	3850	5260		
20	5330	4740	4520	5370	8000	3310	4020	2860	4070	5200		
21	5290	4750	4610	5770	7950	3190	4090	3080	4490	5150		
22	5250	4760	4650	6140	7780	3100	4060	3120	4520	5090		
23	5230	4780	4630	6430	7650	3020	4110	3270	4570	4980		
24	5200	4780	4600	6470	7480	2900	4170	3430	4630	4840		
25	5170	4770	4560	6380	7310	2820	4160	3560	4830	4730		
26	5130	4780	4540	6110	7030	2740	4090	3700	4890	4670		
27	5080	4790	4500	5820	6760	2620	4020	3830	5030	4610		
28	5050	4800	4500	5550	6510	2500	3920	3940	5270	4710		
29	5050	4800	4450	5340	6270	2410	3810	3880	5540			
30	5060		4410	5310	6010	2350	3750	3860	5630			
31	5060		4400		5800		3760	3810				
Mean	5360	4840	4610	4880	7290	3810	3050	3280	3280			
Max.	5610	5060	4820	6470	8100	5610	4170	3940	5630			
Min.	5050	4720	4400	4070	5380	2350	1920	2650	2970			

TABLE 2
STREAMFLOW
ALBANY RIVER BASIN
1973

STATION NUMBER: 43-01-024
LOCATION: ALBANY RIVER AT OUTLET OF MIMINISKA LAKE
51°33'N, 88°33'W
DRAINAGE AREA: 3,360 square miles
GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1							5410		5120	5060	4650	3450
2							6060		5120	4940	4710	3430
3							6680		5180	4790	4580	3400
4						4100	7110		5320	4760	4430	3400
5						3980	7370		5640	4610	4450	3310
6						3890	7560		5860	4310	4510	3220
7						3750	7700		5830	4310	4320	3110
8						3590	7780		5810	4140	4200	3030
9						3580	7600		5820	4070	4050	3050
10						3440	7460		5970	4040	3870	3080
11						3430	7210		5810	3940	3840	2990
12						3470			5550	4060	3790	2900
13						3380			5380	4300	3670	2840
14						3320			5510	4550	3580	2770
15						3240			5680	4730	3560	2710
16						3180			5840	4900	3570	2670
17						3170			6020	4990	3500	2610
18						3170		7630	6120	5090	3410	2561
19						3140		7420	6310	5260	3360	2510
20						3180		7260	6250	5330	3400	2480
21						3130		6910	6170	5320	3430	2430
22						3110		6810	6120	5370	3510	2420
23						3100		6610	6040	5290	3470	2420
24						3140		6440	5940	5190	3420	2370
25						3000		6230	5860	5270	3340	2340
26						3000		6110	5810	5120	3380	2350
27						3200		5950	5660	4980	3460	2320
28						3590		5720	5520	4910	3490	2340
29						4110		5640	5370	4810	3510	2350
30						4750		5430	5190	4730	3480	2320
31								5210		4640		2310
Mean									5730	4770	3800	2760
Max.									6310	5370	4710	3450
Min.									5120	3940	3340	2310

TABLE 3

STREAMFLOW
ALBANY RIVER BASIN
1972

STATION NUMBER: 43-01-025
LOCATION: Balkam Creek at the Outlet of Balkam Lake
51° 11' N, 86° 45' W
DRAINAGE AREA: 18 sq. miles
GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1						38.9	5.0		11.5	44.9	21.3	7.7
2						38.9	3.6		10.8	44.0	20.4	7.5
3						37.5	3.6		20.1	41.7	20.0	7.3
4						36.8	2.8		9.3	40.8	19.3	7.0
5						34.6	2.7		8.5	39.6	18.6	6.6
6						38.8	2.8		8.5	39.6	18.2	6.2
7						39.8	2.8		11.4	37.9	18.3	6.1
8						39.2	4.1		12.1	38.1	18.6	6.2
9						37.4	7.2		12.2	36.3	18.7	6.4
10						34.8	12.7		12.0	34.4	18.5	5.9
11						31.4	19.2		11.6	32.8	18.2	5.3
12						30.1	29.3		10.6	33.7	17.6	4.5
13						27.6	42.6	25.3	10.7	31.6	17.1	4.3
14						25.6	53.7	23.5	10.6	29.0	16.2	4.5
15						23.5	63.4	21.1	10.4	27.2	15.4	4.7
16						21.8	68.9	23.0	12.5	25.6	14.5	4.1
17						19.3	69.7	23.8	14.5	23.9	13.2	3.6
18						16.0	66.8	25.7	15.7	21.9	12.2	3.3
19						15.7	64.5	27.3	16.0	19.8	11.7	3.3
20						16.2	60.8	27.0	21.9	17.8	11.2	3.3
21						15.7	59.5	29.8	31.1	16.3	10.3	3.4
22						14.8	55.9	31.0	44.0	16.0	8.9	3.5
23						13.3	51.6	30.6	49.6	15.4	8.0	3.6
24					44.1	12.1	49.1	29.7	53.1	14.8	7.7	3.6
25					41.3	10.6	47.1	27.8	53.7	13.0	7.6	3.6
26					38.3	10.0		25.8	53.6	11.8	7.7	3.7
27					36.2	9.7		23.6	52.9	12.6	8.0	3.9
28					35.2	7.9		21.1	48.7	15.8	8.3	4.1
29					38.8	6.7		18.5	46.3	17.9	7.9	4.3
30					40.2	5.7		16.4	45.4	19.9	7.6	4.6
31					39.1			15.5		21.1		5.0
Mean						23.7			24.0	26.9	14.0	4.9
Max.						39.8			53.7	44.9	21.3	7.7
Min.						5.7			8.5	11.8	7.6	3.3

TABLE 4
STREAMFLOW
ALBANY RIVER BASIN
1973

STATION NUMBER: 43-01-025
LOCATION: BALKAM CREEK AT THE OUTLET OF BALKAM LAKE
51°11'N, 86°45'W
DRAINAGE AREA: 18 square miles
GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1						26.2	87.7	12.1	6.6	22.4	9.3	24.3
2						25.4	103.0	11.0	8.1	21.9	10.1	23.7
3						24.6	104.0	10.3	9.0	21.5	14.2	23.4
4						24.4	101.0	9.0	10.2	20.0	15.4	23.4
5						24.5	93.5	7.5	10.2	17.6	15.4	21.8
6						24.5	83.5	7.5	10.4	16.9	15.9	20.9
7						24.4	76.1	8.7	10.7	17.5	16.2	20.5
8						23.8	71.3	8.6	10.3	16.7	15.5	17.9
9						23.4	67.6	8.2	10.4	15.4	15.6	15.7
10						23.6	61.8	9.1	8.6	15.4	16.0	15.8
11						23.2	54.3	12.8	7.7	14.8	14.7	14.9
12						22.2	49.6	13.6	6.9	14.7	13.6	14.2
13						19.8	46.8	14.0	7.4	15.9	13.4	13.8
14						18.8	42.6	13.9	8.5	15.9	13.4	13.5
15						18.8	38.2	12.5	10.1	14.8	13.9	12.7
16						18.4	35.2	12.3	11.1	13.7	13.9	11.4
17						17.7	31.3	11.9	10.4	13.8	13.6	12.1
18						17.4	30.3	11.2	12.0	14.1	13.6	11.4
19						18.8	30.5	10.2	12.2	14.4	13.4	10.5
20						20.0	29.0	7.5	12.3	14.6	12.4	9.8
21						20.1	27.8	7.6	12.6	15.1	14.0	9.5
22					40.1	20.1	27.0	6.6	11.9	15.6	16.8	9.1
23					38.6	20.0	25.6	7.6	12.5	14.6	20.0	8.8
24					37.2	19.8	22.3	6.8	13.1	14.3	22.6	8.5
25					34.2	19.3	20.9	6.5	14.5	14.1	23.1	7.8
26					34.2	19.3	20.9	6.5	14.5	14.1	23.1	7.8
27					31.8	21.0	20.0	7.0	16.5	13.8	24.7	7.9
28					29.6	27.1	17.3	8.1	18.6	13.5	25.7	7.9
29					28.5	38.4	16.1	7.5	20.6	12.1	25.8	7.7
30					27.7	63.1	15.4	7.7	21.4	9.9	25.1	7.5
31					26.9		13.9	7.5		9.7		7.8
Mean						23.6	47.2	9.4	11.6	15.5	16.7	13.6
Max.						63.1	104.0	14.0	21.4	22.4	25.8	24.3
Min.						17.4	13.9	6.5	6.6	9.7	9.3	7.5

TABLE 5

STREAMFLOW

ALBANY RIVER BASIN

1972

STATION NUMBER: 43-01-017
LOCATION: BRIGHTSAND RIVER AT MOBERLEY LAKE NARROWS
49°36'N, 90°34'W
DRAINAGE AREA: 450 square miles
GAUGE: Pressurey Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1								315				
2								305				
3								299				
4								293				
5								281				
6								270				
7								265				
8								254				
9								247				
10								243				
11								246				
12								259				
13								258	199			
14								265	194			
15												
16								272	206			
17								283	208			
18								293				
19								297				
20							295					
21							303	293				
22							310	289				
23							316					
24							315					
25							321					
26							328					
27							327					
28							327					
29							326					
30							327					
31							316					
Mean												
Max.												
Min.												

TABLE 6

STREAMFLOW

ALBANY RIVER BASIN

1973

STATION NUMBER: 43-01-017
LOCATION: BRIGHTSAND RIVER AT MOBERLEY LAKE NARROWS
49°36'N, 90°34'W
DRAINAGE AREA: 450 square miles
GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		173	160	197	504	373	494	269	216	238	348	360
2		172	160	197	497	367	490	264	213	238	346	362
3		172	160	197	488	358	474	258	213	242	343	359
4		171	160	199	483	358	465	253	214	241	340	358
5		171	161	205	476	349	455	245	207	240	332	357
6		170	161	207	483	344	448	253	201	240	329	353
7		170	169	207	492	337	447	252	198	240	325	348
8		169	176	208	497	335	444	250	197	239	322	342
9		167	178	207	508	329	440	252	195	238	319	342
10		166	178	207	511	333	427	251	185	237	313	341
11		164	178	207	509	331	421	251	179	249	308	339
12		164	179	206	511	324	411	251	178	294	304	336
13	178	162	182	205	506	319	392	248	179	311	303	333
14	179	162	185	206	502	317	379	248	177	333	302	330
15	181	161	193	217	495	328	370	246	176	346	300	322
16	181	159	195	228	485	358	362	241	175	351	298	318
17	181	158	195	235	484	387	347	239	171	361	296	316
18	182	157	194	241	476	413	336	237	169	369	293	315
19	182	156	195	251	467	432	335	240	163	375	291	311
20	182	155	194	278	459	438	337	237	164	383	289	303
21	180	155	194	322	455	442	332	239	163	384	297	295
22	179	156	193	373	447	451	324	235	182	387	317	290
23	178	156	194	417	435	451	313	230	195	385	329	286
24	178	156	194	451	428	449	306	229	210	383	335	282
25	178	155	194	476	425	445	302	228	215	385	341	278
26	178	155	195	493	420	437	300	226	222	382	349	275
27	177	154	195	507	411	452	295	223	229	372	352	272
28	177	158	196	510	402	467	292	221	230	367	354	271
29	176		196	512	397	484	287	214	234	364	358	268
30	175		197	510	389	491	280	212	237	362	359	267
31	174		197		379		276	212		353		263
Mean		162	184	296	465	390	374	240	196	319	323	316
Max.		173	197	512	511	491	494	269	237	387	359	362
Min.		154	160	197	379	317	276	212	163	237	289	263

TABLE 7
STREAMFLOW
ALBANY RIVER BASIN
1972

STATION NUMBER: 43-01-013
LOCATION: Kawashkagama River 2,000 ft. upstream from O'Sullivan Lake
50° 26' N, 87° 09' W
DRAINAGE AREA: 765 sq. miles
GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	760	680	373	267	683	1360	735	683	619	740	902	
2	763	675	367	263	848	1350	698	684	590	752	908	
3	764	589	364	261	1050	1340	668	681	572	781	903	
4	771	657	364	263	1270	1320	649	667	551	799	905	
5	742	626	363	260	1450	1290	625	668	534	818	904	
6	728	596	352	262	1630	1280	606	656	518	835	903	
7	719	564	346	261	1760	1250	589	645	548	845	901	
8	721	548	341	259	1840	1240	574	633	538	919	990	
9	732	849	334	250	1890	1210	570	621	533	893	926	
10	722	527	329	246	1910	1190	569	603	518	863	902	
11	710	613	326	245	1920	1160	572	595	523	888	901	
12	694	536	336	244	1910	1130	581	581	521	899	893	
13	688	492	349	245	1910	1090	589	578	512	901	914	
14	687	497	331	249	1900	1070	613	572	497	904	875	
15	679	486	320	240	1890	1050	651	566	497	880		
16	665	464	326	244	1870	1010	665	572	499	907		
17	662	443	336	249	1850	965	683	586	518	906		
18	661	440	309	252	1800	921	705	603	518	884		
19	662	434	297	264	1790	913	702	602	519	853		
20	659	426	294	261	1760	930	712	595	525	837		
21	658	428	291	266	1720	918	709	717	561	830		
22	663	416	290	282	1670	909	703	738	576	831		
23	666	411	290	292	1620	903	701	745	584	818		
24	777	408	286	300	1580	890	734	748	609	805		
25	788	404	284	310	1540	869	731	750	648	795		
26	1030	393	277	325	1510	846	726	743	653	795		
27	975	395	273	357	1460	826	723	732	669	803		
28	831	390	275	398	1430	798	707	717	676	848		
29	873	380	276	458	1420	775	694	680	709	855		
30	886		273	548	1400	753	685	654	721	871		
31	755		269		1380		687	624		890		
Mean	745	499	317	287	1600	1050	663	653	569	847		
Max.	1030	680	373	548	1920	1360	735	750	721	919		
Min.	658	380	269	240	683	753	569	566	497	740		

TABLE 8

STREAMFLOW

ALBANY RIVER BASIN

1973

STATION NUMBER: 43-01-013
LOCATION: KAWASHKAGAMA RIVER 2,000 FT. UPSTREAM FROM O'SULLIVAN LAKE
50°26'N, 87°09'W
DRAINAGE AREA: 765 square miles
GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1						1210	1330	1700	734	836	734	805
2						1170	1430	1640	739	826	750	805
3						1140	1520	1560	730	830	769	806
4						1110	1610	1480	746	821	724	802
5						1090	1640	1410	761	806	700	799
6						1070	1640	1340	796	777	722	795
7						1050	1630	1310	785	768	716	783
8						1010	1630	1260	774	760	713	775
9						1010	1600	1220	771	745	720	767
10						984	1570	1190	773	736	716	757
11						765	1520	1160	766	723	711	746
12						950	1480	1120	738	738	706	728
13						942	1460	1090	714	758	708	
14						921	1430	1060	715	794	693	
15						916	1380	1030	728	804	679	
16						911	1340	1000	727	819	673	
17						899	1300	969	733	811	669	
18						896	1270	944	742	798	664	
19						894	1250	916	779	797	659	
20						890	1210	918	782	797	657	
21						883	1180	882	779	796	661	
22					1580	865	1160	857	784	795	675	
23					1540	851	1120	853	785	790	703	
24					1500	834	1090	829	788	779	728	
25					1470	822	1090	814	789	771	768	
26					1440	813	1340	801	791	762	763	
27					1400	826	1620	792	799	751	774	
28					1370	922	1700	781	831	739	788	
29					1330	1050	1740	769	844	727	803	
30					1280	1190	1750	757	838	716	811	
31					1250		1740	745		713		
Mean						969	1440	1070	769	777	719	
Max.						1210	1750	1700	844	836	811	
Min.						813	1090	745	714	713	657	

TABLE 9
STREAMFLOW
ALBANY RIVER BASIN
1972

STATION NUMBER: 43-01-015
LOCATION: Kenogami River Below Little Current River
50° 58' N, 84° 36' W
DRAINAGE AREA: 17,620 sq. miles
GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1						38700		19000	9800	19000	24100	25900
2						36700		18600	9540	19300	23600	24600
3						34500		18000	9100	18300	22300	23800
4						32900		18100	8640	18500	19500	23900
5						31500		18800	8330	18400	19200	24600
6						30200		18900	7890	18300	19300	24700
7						29800		17700	7800	18600	19100	24500
8						28700		16400	7960	20600	19200	24300
9						27200		14900	8280	22600	18200	23800
10						26600		13600	8470	23400	17400	23300
11						25900		12600	8320	23800	18200	22600
12						25700		11700	8070	24700	19800	22000
13						25700			7780	26500	17300	21500
14						25700			7460	27900	15100	21200
15						25700			7230	27800	13700	20900
16						25600			7260	27100	13100	20400
17									8230	27000	16100	20100
18							22800		9390	26900	22200	
19							24700	10200	11300	26000	32500	
20							27700	10400	12700	24800	37300	
21							28400	10700	13800	23600	37300	
22							26900	11500	15600	23300	35900	
23					54900		24800	13700	17500	23700	33700	
24					51100		22700	14900	18200	23300	33400	
25					47600		21700	14700	17800	22400	33200	
26					44400		22500	13900	17200	22300	34300	
27					41300		24000	13100	16600	22100	35100	
28					38200		23900	12200	16200	22900	34200	
29					36000		22600	11400	16500	24700	31100	
30					36300		20900	11000	17800	25200	28100	
31					38700		19700	10400		24300		
Mean									11400	23200	24800	
Max.									18200	27900	37300	
Min.									7230	18300	13100	

TABLE 10
STREAMFLOW
ALBANY RIVER BASIN
1973

STATION NUMBER: 43-01-015
LOCATION: KENOGAMI RIVER BELOW LITTLE CURRENT RIVER
50°58'N, 84°36'W
DRAINAGE AREA: 17,620 square miles
GAUGE: PRESSURE TYPE

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1				15600	45100	34000	64200	44600	11300	16300	11200	26000
2				15900	42700	31700	70200	39500	10900	15900	11700	24800
3				16300	40400	29700	67700	35000	10800	15200	12700	24300
4				16600	38400	27900	62900	31000	10600	14400	13600	23600
5				16900	37100	27200	57800	27600	10500	13700	12900	22300
6				17200	37100	27100	52600	25000	11000	13200	11300	20200
7				17500	38900	26900	49000	23300	12000	12900	11000	19600
8				17700	42600	26100	47800	22400	12400	12600	12700	19500
9				17600	50000	24900	49100	22200	12000	12200	20200	19600
10				17400	67700	24000	48700	22400	11800	11900	27600	20300
11			11700	17200	85700	23300	46300	23000	11100	11700	27800	20800
12			11900	16600	86300	22600	43600	24200	10800	11600	27900	19900
13			12200	16100	81600	21800	40200	24000	10300	11800	26400	18700
14			12300	15700	73700	20700	37300	23500	9830	12300	26000	18100
15			12500	15800	66900	19600	34700	23000	9490	12700	23600	18000
16			12600	16600	66300	18600	32000	22200	9510	12900	23600	17900
17			12700	17700	67900	18300	29500	20800	9720	12700	24000	17900
18			12900	19400	67700	19100	27600	19300	10500	12700	23300	17400
19			13000	23000	66000	19600	26400	17900	11100	12500	23900	17200
20			13100	30000	63400	19600	26800	16600	11700	12200	22900	16900
21			13500	41000	60500	20000	29300	16000	11800	12100	22200	16500
22			13500	62500	57500	20300	29200	16300	12000	12000	22000	16200
23			13400	88900	54600	20500	27100	17000	11900	12000	22200	16000
24			13600	94400	52300	20300	24500	16600	12100	12000	24500	15900
25			13500	77800	50700	20200	22500	16000	12300	12000	24500	15000
26			13500	65200	49100	19900	22700	15200	12700	12000	25800	15500
27			13700	62300	46900	19600	32000	14300	13100	12000	27800	15200
28			14000	57900	44400	20700	50700	13500	13700	11900	29000	15200
29			14500	52900	41400	28400	57000	12900	15200	11800	29100	15300
30			15000	48300	38600	48200	55000	12300	16200	11500	27900	15300
31			15300		36100		50100	11700		11100		15300
Mean				33600	54800	24000	42400	21600	11600	12600	21600	18600
Max.				94400	86300	48200	70200	44600	16200	16300	29100	26000
Min.				15600	36100	18300	22500	11700	9490	11100	11000	15200

TABLE 11
STREAMFLOW
ALBANY RIVER BASIN
1972

STATION NUMBER: 43-01-018
LOCATION: MUSWABIK RIVER AT OUTLET OF LORENZ LAKE
51°32'N, 85°05'W
DRAINAGE AREA: 730 square miles
GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1											751	
2											753	
3											716	
4											682	
5											665	
6											681	
7											686	
8											666	
9											641	
10											623	
11											630	
12											628	
13											602	
14										780	584	
15										735	566	
16										874	543	
17										848	528	
18										806	523	
19										771	513	
20										753	504	
21										761	488	
22										764	469	
23										755		
24										720		
25										716		
26										734		
27										755		
28										804		
29										796		
30										770		
31										751		
Mean												
Max.												
Min.												

TABLE 12

STREAMFLOW

ALBANY RIVER BASIN

1973

STATION NUMBER: 43-01-018
LOCATION: MUSWABIK RIVER AT OUTLET OF LORENZ LAKE
57°32'N, 85°05'W
DRAINAGE AREA: 730 square miles
GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1				187	1450	2020	1330	491	214	221	327	318
2				186	1490	1830	1520	461	253	203	321	312
3				189	1510	1630	1740	422	238	211	319	314
4				195	1530	1540	1910	384	229	212	313	316
5				190	1610	1420	1980	379	235	219	301	307
6				186	1750	1330	1960	374	299	168	272	299
7				189	1950	1230	1960	362	317	199	267	300
8				184	2200	1090	1940	405	251	203	269	302
9				175	2550	1110	1830	410	217	197	266	306
10				170	2950	1010	1750		214	186	262	310
11				167	3290	969	1600		212	231	258	309
12				165	3570	951	1420		211	179	267	308
13				155	3630	935	1430		210	210	266	306
14				154	3570	822	1500		209	258	269	304
15				179	3510	718	1370		207	280	272	298
16				206	3560	697	1180	473	206	294	261	290
17				222	3530	629	1160	448	205	326	259	274
18				212	3540	610	1220	429	197	323	264	269
19				201	3610	560	1190	386	285	268	266	263
20			209	192	3690	559	1130	459	226	254	267	257
21			213	214	3640	559	1070	373	225	269	266	251
22			208	267	3570	499	1000	317	225	258	268	246
23			210	390	3470	465	935	328	224	282	278	241
24			212	586	3340	410	878	343	223	313	281	236
25			213	797	3180	425	840	305	222	326	287	232
26			210	962	3060	483	815	292	221	337	294	225
27			196	1080	2930	576	802	306	220	308	301	220
28			203	1200	2750	692	668	280	231	276	310	218
29			201	1310	2560	862	614	276	220	272	319	215
30			197	1400	2370	1060	587	267	213	284	321	211
31			194		2220		528	266		282		209
Mean				397	2830	923	1290		229	253	283	273
Max.				1400	3690	2020	1980		317	337	327	318
Min.				154	1450	410	528		197	168	258	209

TABLE 13

STREAMFLOW

ALBANY RIVER BASIN

1972

STATION NUMBER: 43-01-020
LOCATION: OPICHUAN RIVER AT KELLOW LAKE NARROWS
51° 10'N, 87° 46'W
DRAINAGE AREA: 440 square miles
GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1				683		446	237	313	242	301		
2				696		433	233	307	239	307		
3				706		427	228	304	235	315		
4				710		417	223	296	232	324		
5				712		410	217	290	230	331		
6				702		409	214	282	230	336		
7				687		399	214	273	237	345		
8				679		395	221	265	234	356		
9				664		382	226	259	231	355		
10				648		369	239	256	229	351		
11				627		360	242	255	228	356		
12				602		352	247	254	226	363		
13				586		344	256	253	223	367		
14				571		339	268	252	222	368		
15			202	552		324	278	252	227	365		
16			210	530		315	278	251	231	370		
17			218	504		308	274	250	237	272		
18			227	478		300	292	249	238	369		
19			238	456		299	299	248	238			
20			264			299	298	249	240			
21			292			294	293	251	243			
22			322			287	289	253	242			
23			357			279	296	254	240			
24			392			273	309	256	240			
25			432			266	312	256	244			
26			478			260	314	256	248			
27			529			257	316	255	256			
28			575			253	315	255	270			
29			613			247	314	254	283			
30			646			241	313	252	293			
31			666		460		317	247				
Mean						333	270	263	240			
Max.						446	317	313	293			
Min.						241	214	247	222			

TABLE 14

STREAMFLOW

ALBANY RIVER BASIN

1973

STATION NUMBER: 43-01-020
LOCATION: OPICHUAN RIVER AT KELLOW LAKE NARROWS
51°10'N, 87°46'W
DRAINAGE AREA: 440 square miles
GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1									604	396	396	386
2									581	389	431	384
3									582	382	431	386
4									566	376	422	379
5									562	364	415	377
6									523	355	403	376
7									486	344	398	375
8									466	335	401	372
9									456	328	400	368
10									448	329	394	366
11									424	332	393	366
12									414	365	395	366
13									403	382	391	363
14									453	385	383	354
15									474	385	375	348
16									498	384	374	343
17									511	382	370	335
18								1270	502	386	362	330
19								1230	495	390	359	332
20								1210	481	399	356	322
21									469	406	372	310
22								1140	459	407	393	308
23								1080	454	408	393	304
24								1030	446	409	390	299
25								964	442	407	394	293
26								905	441	405	391	291
27								856	436	399	391	290
28								807	427	394	390	290
29								758	416	392	390	288
30								724	403	386	389	286
31								684		382		283
								640				
Mean									477	308	391	338
Max.									604	409	431	386
Min.									403	328	356	283

TABLE 15

STREAMFLOW

ALBANY RIVER BASIN

1972

STATION NUMBER: 43-01-021

LOCATION: Pashkokogan River 1.5 miles Downstream from Pashkokogan Lake 51° 02' N, 90° 12' W

DRAINAGE AREA: 875 sq. miles

GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1						973	812	681	735	895	988	931
2						1000	749	678	710	898	971	921
3							793	687	724	902	970	911
4							791	717	721	913	973	904
5							776	681	726	911	968	900
6							766	650	707	919	970	896
7							763	647	749	949	971	887
8							747	634	756	931	977	876
9							760	634	746	928	981	869
10							746	658	782	945	984	863
11							760	631	779	941	985	856
12							745	592	782	969	987	851
13							743	611	770	968	987	
14							772	623	807	968	988	
15							771	626	768	977	984	
16							776	646	792	980	986	
17							770	657	801	955	988	
18							751	652	809	961	986	
19							738	650	790	962	976	
20						935	752	657	823	967	980	
21						918	726	678	879	964	975	
22						910	714	692	805	959	973	
23						886	739	701	815	960	966	
24						863	728	704	809	962	953	
25						870	716	707	821	964	946	
26					961	865	715	712	815	963	950	
27					968	860	708	725	841	956	948	
28					979	854	703	721	909	994	949	
29					975	843	707	712	891	984	943	
30					995	870	705	741	897	986	939	
31					1000		695	762				
Mean							748	673	792	952	971	
Max.							812	762	909	994	988	
Min.							695	592	707	895	939	

TABLE 16

STREAMFLOW

ALBANY RIVER BASIN

1973

STATION NUMBER: 43-01-021

LOCATION: PASHKOKAGAN RIVER 1.5 MILES DOWNSTREAM FROM PASHKOKAGAN Lake 51° 02'N, 90°12'W

DRAINAGE AREA: 875 square miles

GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		558	467	409	533	797	899	1240	1460	1110	1020	983
2		558	466	405	542	791	944	1240	1410	1090	1040	981
3		554	472	402	558	792	974	1240	1430	1110	1030	979
4		549	466	403	573	822	955	1250	1470	1110	1010	974
5		543	459	405	582	828	958	1260	1500	1070	1020	968
6		540	457	411	595	818	980	1260	1450	1100	1010	962
7		539	467	410	616	790	987	1300	1420	1100	1010	958
8		531	471	409	625	803	1020	1310	1400	1080	1010	958
9		524	468	409	628	796	994	1340	1410	1080	1000	955
10		515	466	410	641	793	991	1380	1400	1080	999	949
11		509	461	406	665	795	1000	1400	1350	1050	995	944
12		510	457	407	669	800	1020	1400	1310	1050	992	940
13	655	508	457	406	679	793	1040		1290	1040	990	435
14	648	505	458	403	704	762	1010		1280	1040	989	930
15	641	502	457	409	722	754	1020		1290	1030	987	926
16	634	495	455	415	734	754	1040		1320	1100	986	922
17	630	490	451	425	749	757	1040		1290	1090	984	918
18	627	487	447	419	756	764	1030		1270	1080	983	914
19	623	483	442	420	763	765	1030		1250	1080	973	909
20	617	482	439	425	761	770	1030		1240	1080	971	905
21	617	475	440	440	768	757	1040	1560	1200	1080	981	901
22	610	475	440	464	770	768	1040	1560	1180	1060	998	900
23	608	474	437	467	769	772	1030	1540	1170	1040	997	900
24	605	466	432	479	767	775	1020	1540	1170	1040	993	899
25	598	467	430	490	770	765	1020	1520	1170	1050	994	899
26	591	464	427	497	793	765	1080	1520	1150	1030	989	899
27	584	464	427	502	803	791	1160	1490	1140	1030	988	899
28	582	466	425	509	786	825	1210	1500	1160	1040	987	898
29	578		420	521	812	855	1220	1500	1110	1050	986	885
30	568		421	529	813	879	1210	1460	1120	1070	984	878
31	560		414		812		1230	1450		1050		
Mean		505	448	437	702	790	1040		1290	1080	997	928
Max.		558	472	529	813	879	1230		1500	1150	1040	983
Min.		464	414	402	533	754	899		1100	1030	971	878

TABLE 17
STREAMFLOW
SEVERN RIVER BASIN
1972

STATION NUMBER: 47-04-003
LOCATION: FLANAGAN RIVER AT NORTHWIND LAKE DAM
52°49'N, 93°27'W
DRAINAGE AREA: 1063 square miles
GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1												
2				286	1170		1280	752				
3				286	1190		1260	718				
4				268	1210		1240	718				
5				268	1260		1240	702				
				256	1280		1210	702				
6												
7				256	1330		1170	686				
8				245	1330		1150	686				
9				256	1360		1150	670				
10				268	1390		1120	670				
				256	1420		1100	670				
11												
12				268	1540		1080	670				
13				268	1570		1030	670				
14				286	1590		1030					
15				286	1690		1000					
				286	1740		981					
16												
17				286	1870		981					
18			362	286			959					
19			362	327			938					
20			327	327			938					
			327	327		1640	989					
21												
22			327	327		1640	898					
23			327	374		1620	898					
24			327	398		1590	879					
25			327	450		1570	859					
				544		1540	841					
26												
27			286	692		1520	822					
28			286	830		1490	822					
29			327	946		1420	822					
30			327	1060		1390	804					
31			327	1120		1300	769					
							752					
Mean												
Max.				411			997					
Min.				1120			1280					
				245			752					

TABLE 18

STREAMFLOW

SEVERN RIVER BASIN

1973

STATION NUMBER: 47-04-003
LOCATION: FLANAGAN RIVER AT NORTHWIND LAKE DAM
52°49'N, 93°27'W
DRAINAGE AREA: 1,063 square miles
GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1				278	674				768	639	871	973
2				278	689				768	638	877	964
3				278	721				760	636	877	955
4				278	755				739	637	893	944
5				278	790				722	649	904	937
6				278	808				727	664	907	928
7				278	863			985	735	662	912	917
8				278	902			973	730	659	927	909
9				278	902			974	718	661	932	902
10				278	902			989	692	669	935	895
11				278	922			983	688	697	941	890
12				319	922			972	693	723	949	884
13				278	1010			965	698	720	958	875
14				266	1030			955	703	724	963	866
15				266	1030			941	695	736	961	857
16				278	1140			937	686	761	969	847
17			278	319	1210			920	693	783	974	835
18			254	372	1170			906	697	783	973	823
19			266	383	1210			884	689	787	973	812
20			278	474	1260			883	689	797	974	801
21			319	501	1320			880	686	795	978	793
22			319	541	1320			875	678	804	984	787
23			278	598	1280			864	678	819	986	781
24			319	613	1350			858	680	819	982	774
25			319	613	1390			850	660	817	980	765
26			319	658	1390			826	651	827	979	753
27			319	674				814	646	839	979	748
28			254	658				808	637	848	980	751
29			254	658				782	642	859	980	756
30			278	674				775	640	869	977	752
31			278					767		877		736
Mean				407					697	748	949	845
Max.				674					768	877	986	973
Min.				266					637	636	871	936

TABLE 19
STREAMFLOW
SEVERN RIVER BASIN
1972

STATION NUMBER: 47-01-009
LOCATION: SCHADE RIVER, ONE MILE DOWNSTREAM FROM MISIWAWEYA LAKE
53° 33'N, 91° 09'W
DRAINAGE AREA: 1,170 square miles
GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1				47	531	1750	821	494	580	793		
2				83	605	1840	793	507	605	834		
3				25	738	1800	793	657	605	843		
4				17	935	1750	793	507	580	999		
5				12	1200	1710	793	484	580	969		
6				17	1430	1550	765	484	580	969		
7				34	1710	1510	765	471	590	1100		
8				94	1890	1510	738	466	605	1080		
9				163	2070	1470	711	484	610	1100		
10				132	2160	1430	711	461	595	1130		
11				132	2260	1390	711	452	595	1130		
12				179	2310	1240	711	452	595	1170		
13				195	2460	1200	711	448	595	1170		
14				195	2510	1270	694	425	605	1130		
15				179	2560	1270	684	425	605	1170		
16				179	2620	1240	673	438	605	1200		
17				215	2680	1170	673	438	605	1220		
18			163	195	2620	1170	657	471	605	1200		
19			106	236	2680	1170	641	531	615	1200		
20			132	215	2800	1170	605	560	615	1200		
21			195	195	2800	1130	531	565	636	1200		
22			106	195	2800	1130	507	565	631	1200		
23			62	215	2740	1100	517	555	615	1170		
24			47	215	2620	1060	531	555	615	1130		
25			34	215	2360	1030	605	580	610			
26			34	215	2410	999	605	605	631			
27			62	236	2310	935	531	531	684			
28			83	278	2210	834	494	615	711			
29			132	323	2070	834	494	605	738			
30			132	438	2020	821	507	580	793			
31			106		1980		507	580				
Mean				169	2100	1280	654	519	621			
Max.				438	2800	1840	821	657	793			
Min.				12	531	821	494	425	580			

TABLE 20

STREAMFLOW

SEVERN RIVER BASIN
1973

STATION NUMBER: 47-01-009
LOCATION: SCHADE RIVER, ONE MILE DOWNSTREAM FROM MISIWAWEYA LAKE
53° 33'N, 91° 09'W
DRAINAGE AREA: 1,170 square miles
GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1									666	844	1170	928
2									659	837	1170	910
3									690	841	1180	911
4									761	848	1160	890
5									818	830	1150	853
									792	827	1160	844
6									814	817	1160	842
7									851	816	1150	839
8									947	808	1140	838
9									985	806	1120	836
10												
11									959	813	1120	830
12								833	981	825	1110	825
13								829	1020	830	1090	809
14								814	1040	833	1080	803
15								806	1060	834	1060	783
16								789	1080	835	1050	761
17								771	1050	832	1030	752
18								758	1030	834	1020	734
19								752	1010	863	1020	713
20								755	1000	915	1010	696
21								759	995	976	1010	697
22								762	983	1020	1000	692
23								765	982	1040	989	683
24								767	980	1050	981	670
25								753	1000	1070	969	657
26								745	975	1120	964	643
27								732	934	1140	961	630
28								729	885	1150	957	617
29								712	865	1170	949	604
30								685	862	1190	938	586
31								691		1180		569
Mean									922	929	1060	756
Max.									1080	1190	1180	928
Min.									659	806	938	569

TABLE 21

SNOW COURSE DATA
71-72

EQUIPMENT: Mount Rose Snow Sampler, 10 point snow course

Basin	Albany		Albany		Attawapiskat		Attawapiskat		Winisk	
Station Number	43-04-001		43-04-007		44-04-001		44-04-002		46-04-001	
Station Location	Nakina		Ogoki		Attawapiskat		Pickle Lake		Winisk	
Elevation	1000		550		20		1450		20	
Latitude N	50°12'		51°08'		52°56'		51°27'		55°16'	
Longitude W	86°42'		85°58'		82°25'		90°12'		85°12'	
Date	Snow Depth (in.)	Water Equiv. (in.)	Snow Depth (in.)	Water Equiv. (in.)	Snow Depth (in.)	Water Equiv. (in.)	Snow Depth (in.)	Water Equiv. (in.)	Snow Depth (in.)	Water Equiv. (in.)
November 15/71	2.67		11.6	1.85						
November 30/71					6.80	0.67				
December 1/71	7.78	0.76								
December 15/71			20.20	3.71	14.30	2.99				
December 16/71	16.15	2.27								
December 30/71					18.00	3.46				
January 1/72	19.80	3.28								
January 6/72							24.3	4.3		
January 15/72	26.60	3.99								
January 17/72							29.9	4.6		
February 1/72	27.8	4.11					31.90	5.55		
February 16/72	30.2	5.05								
March 1/72	32.55	6.56								
March 2/72							33.20	6.40		

TABLE 21 (Con't)
SNOW COURSE DATA
71-72

EQUIPMENT: Mount Rose Snow Sampler, 10 point snow course

Basin	Albany		Albany		Attawapiskat		Attawapiskat		Winisk	
Station Number	43-04-001		43-04-007		44-04-001		44-04-002		46-04-001	
Station Location	Nakina		Ogoki		Attawapiskat		Pickle Lake		Winisk	
Elevation	1000		550		20		1450		20	
Latitude N	50°12'		51°08'		52°56'		51°27'		55°16'	
Longitude W	86°42'		85°58'		82°25'		90°12'		85°12'	
Date	Snow Depth (in.)	Water Equiv. (in.)	Snow Depth (in.)	Water Equiv. (in.)	Snow Depth (in.)	Water Equiv. (in.)	Snow Depth (in.)	Water Equiv. (in.)	Snow Depth (in.)	Water Equiv. (in.)
March 15/72					30.00	5.75				
March 16/72	31.80	6.40								
March 17/72									20.45	3.5
March 29/72							36.90	7.00		
March 30/72					30.90	6.23				
April 3/72	37.1	7.92								
April 4/72									20.15	4.55
April 15/72	25.10	5.28			18.25	7.29				
April 20/72									16.85	3.80
April 30/72					14.95	6.05				
May 1/72	4.35	0.87								
May 15/72					2.90	0.13				

TABLE 21 (Con't)
SNOW COURSE DATA
1972-1973

Equipment: Mount Rose Snow Sampler, 10 point snow course

Basin		Albany		Albany		Winisk	
Station Number		43-04-001		43-04-007		46-004-001	
Station Location		Nakina		Ogoki		Winisk	
Elevation		1000		550		20	
Latitude N		50° 12'		51° 08'		55° 16'	
Longitude W		86° 42'		85° 58'		85° 12'	
Date		Snow Depth (in.)	Water Equiv. (in.)	Snow Depth (in.)	Water Equiv. (in.)	Snow Depth (in.)	Water Equiv. (in.)
November	1					8.5	0.9
	15			8.5	2.0	12.5	2.0
	30			10.5	3.0		
December	1	8.3	0.6			15.0	2.5
	15	9.2	1.1	13.0	4.5	15.5	2.4
	30			15.5	5.5		
January	1	18.0	2.2				
	2					20.7	3.4
	15	18.2	2.5	19.0	6.0	23.7	4.0
	31			21.0	7.0		
February	1	20.2	3.0			24.8	4.7
	15			23.0	7.0	27.2	4.6
	16	19.9	3.5				
	28			24.0	7.0	29.5	5.4
March	1	25.3	4.0				
	15	25.5	4.3	20.0	7.0	27.7	5.5
	30					28.0	5.4
	31			13.0	4.0		
April	1	13.3	3.8				
	6					26.9	4.8
	12					27.6	5.9
	15	7.8	1.9				
	20					28.4	5.1
	22	2.9	0.6				
	26					29.2	5.4
	29	1.5	0.3				
May	3					28.2	4.7
	10					18.4	5.5
	17					13.1	5.3

TABLE 22

OBSERVATION WELL LOGS

MOOSE RIVER BASIN

LOCATION			Well No.	Depth Below Surface (feet)	DESCRIPTION
Latitude North	Longitude West	Field Location			
51° 17'	80° 36'	Moosonee	42-05 -001	0-1	Top soil
				1-3	Grey clay, silt
				3-6	Blue clay, silt, pebbles, hardpan
				6-42	Blue clay, silt, pebbles, shells
				42-44	Brown silt, clay, coarse sand, pebbles
				44-53	Grey silt, gravel, clay
				53-54	Grey hardpan
				54-58	Brown silt, gravel
				58-59	Brown limestone, bedrock
51° 17'	80° 36'	Moosonee	42-05 -002	0-1	Top soil
				1-3	Grey sand, silt
				3-6	Grey sand, pebbles
				6-7	Blue clay, silt
				7-9	Blue coarse sand, silt, clay, pebbles, shells
				9-15	Blue clay, sand, pebbles
				15-20	Blue clay, pebbles
				20-39	Blue clay, pebbles, sand
				39-40	Brown clay, silt, pebbles, shells
				40-48	Brown clay, pebbles, sand
				48-49	Grey clay, sand, gravel
				49-52	Grey clay, sand, pebbles
				52-54	Grey hardpan, sand
				54-62	Grey clay, sand, boulders
				62-64	Grey limestone, bedrock

TABEL 23

OBSERVATION WELL LOGS

MOOSE RIVER BASIN

LOCATION			Well No.	Depth Below Surface (feet)	DESCRIPTION
Latitude North	Longitude West	Field Location			
51° 17'	80°-36'	Moosonee	42-05 -003	0-1	Black fill
				1-3	Black peat, top soil
				3-7	Grey fine sand, silt
				7-8	Grey medium-to-coarse sand, silt
				8-10	Blue clay, sand, pebbles
				10-35	Blue clay, silt, pebbles
				35-39	Blue clay, silt, coarse sand, rocks
				39-54	Brown clay, silt, coarse sand, rocks
				54-64	Grey hardpan, sand, pebbles
				64-65	Grey limestone, bedrock

TABLE 24

OBSERVATION WELL LOGS

MOOSE RIVER BASIN

LOCATION			Well No.	Depth Below Surface (feet)	DESCRIPTION
Latitude North	Longitude West	Field Location			
51° 17'	80° 37'	Moosonee	42-05 -004	0-1	Black fill
				1-6	Brown fine sand, silt
				6-7	Brown clay, sand, shells
				7-8	Blue clay, sand, pebbles
				8-9	Blue clay, silt
				9-14	Blue clay, silt, pebbles
				14-19	Blue clay, silt, pebbles, shells
				19-24	Blue clay, silt
				24-37	Blue clay, silt, pebbles
				37-39	Blue clay, silt, pebbles, shells
				39-44	Brown clay, silt, coarse sand
				44-54	Brown clay, sand, silt, pebbles
				54-57	Brown silt, limestone, gravel
				57-64	Brown clay, silt, limestone, gravel
				64-65	Brown clay, silt, sand, gravel
				65	Grey limestone, bedrock

TABLE 25

OBSERVATION WELL LOGS

MOOSE RIVER BASIN

LOCATION			Well No.	Depth Below Surface (feet)	DESCRIPTION
Latitude North	Longitude West	Field Location			
50° 36'	81° 17'	Onakawana	42-05 -005	0-3	Brown peat
				3-9	Grey marine clay
				9-19	Grey clay, bounders
				19-25	Clay
				25-48.2	Black peat (lignite)
				48.2-51.2	Grey clay
				51.2-51.8	Black peat (lignite)
				51.8-52.8	Clay
				52.8-66.9	Black peat (lignite)
				66.9-68.0	Clay
				68.0-75	Grey clay

TABLE 26

OBSERVATION WELL LOGS

MOOSE RIVER BASIN

LOCATION			Well No.	Depth Below Surface (feet)	DESCRIPTION
Latitude North	Longitude West	Field Location			
50° 36'	81° 17'	Onakawana	42-05-006	0-4	Brown peat
				4-11	Grey clay
				11-27	Grey clay, bounders
				27-51.4	Grey sand, gravel
				51.4-73.6	Black peat (lignite)
				73.6-76	Grey clay
				76-79	Black peat (lignite)
				79-79.3	Grey clay
				79.3-89.2	Black peat (lignite)
				89.2-105	Grey clay

TABLE 27

OBSERVATION WELL LOGS

ALBANY RIVER BASIN

LOCATION			Well No.	Depth Below Surface (feet)	DESCRIPTION
Latitude North	Longitude West	Field Location			
51° 12'	86°43'	Nakina	43-05	0.1	Brown top soil
			-021	1-5	Brown fine sand, silt, pebbles
				5-13	Brown find sand, silt
				13-15	Grey silt, clay
				15-25	Grey find sand, clay, gravel, pyrite
				25-34	Grey fine sand, clay, pyrite
				34-39	Grey fine sand, clay, pyrite
				39	Bedrock
51° 12'	86°44'	Nakina	43-05	0-1	Brown medium sand
			-022	1-2	Brown fine sand, silt
				2-6	Grey fine sand
				6-7	Grey medium-to-coarse sand
				7-8	Brown clay, silt
				8-9	Grey medium-to-coarse sand, gravel
				9-14	Brown medium-to-coarse sand, gravel, clay
				14-39	Grey medium-to-coarse sand, gravel
				39-50	Grey medium-to-coarse sand
				50-54	Grey medium-to-coarse sand, gravel, rock

TABLE 28
OBSERVATION WELL LOGS

ALBANY RIVER BASIN

LOCATION			Well No.	Depth Below Surface (feet)	DESCRIPTION
Latitude North	Longitude West	Field Location			
51°12'	86°44.5'	Nakina	43-05-23	0-1	Brown top soil
				1-5	Brown fine sand, silt
				5-7	Brown fine sand, pyrite
				7-11	Grey fine-to-medium sand
				11-16	Grey medium sand, pyrite
				16-21	Grey medium-to-coarse sand, gravel
				21-25	Grey coarse sand, gravel
51°12'	86°44.5'	Nakina	43-05-024-1	0-1	Brown top soil
				1-3	Brown fine sand, pyrite
				3-4	Brown silt
				4-5	Brown hardpan
				5-8	Brown silt
				8-11	Brown medium-to-coarse sand, gravel
				11-15	Brown medium sand, silt
				15-18	Brown medium sand, pyrite
				18-26	Grey fine sand, pyrite, pebbles
				26-35	Brown fine-to-medium sand, clay, pyrite
				35-48	Grey medium sand

TABLE 29
OBSERVATION WELL LOGS

ALBANY RIVER BASIN

LOCATION			Well No.	Depth Below Surface (feet)	DESCRIPTION
Latitude North	Longitude West	Field Location			
51°12'	86°44.5'	Nakina	43-05	0-1	Brown top soil
			-024	1-3	Brown fine sand, pyrite
			-2	3-4	Brown silt
				4-5	Brown hardpan
				5-8	Brown silt
				8-11	Brown medium-to-coarse sand, gravel
				11-15	Brown medium sand, silt
				15-18	Brown medium sand, pyrite
				18-26	Grey fine sand, pyrite, pebbles
				26-28	Brown fine-to-medium sand, clay, pyrite

TABLE 30
OBSERVATION WELL LOGS

ALBANY RIVER BASIN

LOCATION			Well No.	Depth Below Surface (feet)	DESCRIPTION
Latitude North	Longitude West	Field Location			
52° 12'	81° 30'	Public school at Fort Albany		0-2	Fill
				2-4	Sandy clay, few pebbles
				4-26	Silty clay, few pebbles
				26-32	Fractured limestone (dry)

TABLE 31
OBSERVATION WELL DATA
ALBANY RIVER BASIN
1972

Observation Well No:	43-05-001-1R (6100599)*
Location:	Anaconda Road at Kowkash Road 50° 20' N; 87° 05' W
Elevation:	1090 feet
Type:	Rotary, 2" I.D. casing
Aquifer or Geological Material:	Silt and Clay
Depth:	60 feet
Recording Commenced:	June 20th, 1969
Measuring Point:	Top of casing, 2.92 Feet above Ground Surface

* Water Well Log No.

Average Daily Water Level From Ground Surface in Feet

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1						27.04	26.79	26.99	27.23	27.32		
2						27.01	26.81	26.98	27.29	27.35		
3						27.01	26.81	27.01	27.29	27.33		
4						27.03	26,82	27.03	27.28	27.31		
5						27.00	26.82	27.04	27.25	27.32		
6						26.98	26.83	27.07	27.24	27.30		
7						26.97	26.84	27.08	27.19	27.25		
8						26.95	26.83	27.10	27.27	27.22		
9						26.96	26.81	27.12	27.32	27.27		
10						26.95	26.81	27.14	27.31	27.27		
11						26.91	26.82	27.14	27.32	27.25		
12						26.89	26.81	27.18	27.35	27.26		
13						26.89	26.80	27.18	27.35	27.21		
14						26.85	26.77	27.20	27.39			
15						26.87	26.79	27.22	27.38			
16						26.89	26.83	27.19	27.36			
17						26.87	26.85	27.15	27.33			
18						26,85	26.87	27.13	27.40			
19					27.40	26.78	26.89	27.17	27.43			
20					27.35	26.75	26.89	27.21	27.38			
21					27.31	26.77	26.92	27.14	27.35			
22					27.31	26.79	26.92	27.14	27.39			
23					27.26	26.79	26.90	27.17	27.38			
24					27.21	26.78	26.86	27.18	27.40			
25					27.21	26.78	26.89	27.20	27.38			
26					27.19	26.78	26.92	27.21	27.40			
27					27.19	26.78	26.94	27.23	27.38			
28					27.15	26.79	26.96	27.21	27.34			
29					27.09	26.79	26.96	27.23	27.31			
30					27.08	26.79	26.95	27.21	27.31			
31					27.05		26.95	27.21				

TABLE 32
OBSERVATION WELL DATA
ALBANY RIVER BASIN
1973

Observation Well No:	43-05-001-1R (6100599)*
Location:	Anaconda Road at Kowkash Road 50° 20'N; 87°05'W
Elevation:	1090 Feet
Aquifer or Geological Material:	Rotary, 2" I.D. casing
Type:	Silt and Clay
Depth:	60 Feet
Recording Commenced:	June 20th, 1969
Measuring Point:	Top of casing 2.92 Feet above Ground Surface

* Water Well Log No.

Average Daily Water Level From Ground Surface in Feet

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1		28.10		28.42				26.39	25.81	26.07	26.47	26.75
2		28.10		28.41				26.35	25.81	26.08	26.47	26.76
3		28.10		28.40				26.33	25.82	26.10	26.42	26.76
4		28.13		28.42				26.31	25.82	26.11	26.41	26.77
5		28.17		28.42				26.26	25.79	26.12	26.45	26.77
6				28.39				26.21	25.75	26.14	26.50	26.78
7				28.43				26.17	25.74	26.15	26.51	26.78
8				28.46				26.13	25.77	26.16	26.52	26.79
9				28.47				26.07	25.82	26.18	26.51	26.79
10			28.20	28.47				26.05	25.84	26.19	26.51	26.79
11			28.19	28.43				26.03	25.84	26.20	26.55	26.80
12			28.23	28.44					25.81	26.22	26.57	26.80
13			28.24	28.47					25.83	26.23	26.59	26.81
14			28.23	28.47			26.74		26.86	26.24	26.61	26.81
15			28.21	28.46			26.74		25.90	26.26	26.62	26.81
16			28.25	28.43			26.74		25.91	26.27	26.65	26.85
17			28.28	28.36			26.70		25.90	26.29	26.67	26.90
18	27.90		28.29	28.36			26.69		25.91	26.30	26.68	26.90
19	27.93		28.31	28.40			26.65	25.87	25.90	26.31	26.66	26.91
20	27.98		28.35				26.65	25.85	25.92	26.32	26.63	26.92
21	27.96		28.35				26.66	25.85	25.90	26.33	26.61	26.92
22	27.94		28.36				26.68	25.84	25.94	26.34	26.61	26.93
23	27.95		28.36				26.68	25.82	25.96	26.35	26.64	26.94
24	27.96		28.36				26.67	25.81	25.97	26.36	26.66	26.94
25	28.00		28.37				26.59	25.80	25.99	26.37	26.69	26.95
26	28.04		28.37				26.39	25.80	26.00	26.38	26.68	26.95
27	28.07		28.38				26.36	25.82	26.04	26.39	26.69	26.96
28	28.08		28.37				26.38	25.81	26.04	26.41	26.69	26.97
29	28.08		28.39				26.39	25.79	26.04	26.42	26.70	26.97
30	28.08		28.40				26.40	25.79	26.06	26.44	26.71	26.98
31	28.10		28.41				26.41	25.81		26.46		26.99

TABLE 33
OBSERVATION WELL DATA
ALBANY RIVER BASIN
1972

Observation Well No:	43-05-003R (1601461)
Location:	18 Miles North of Calstock
	50° 04'N; 84° 08'W
Elevation:	No Bench Mark
Aquifer or Geological Material:	Sand and Gravel
Type:	Rotary, 2" I.D. casing
Depth:	120 Feet
Recording Commenced:	June 19th, 1969
Measuring Point:	Top of Casing 3.00 Feet above Ground Surface

Average Daily Water Level From Ground Surface in Feet

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	80.32	80.50	80.69	80.99	81.16	80.52	80.67			80.73	80.93	
2		80.49	80.69	81.00	81.15	80.54	80.69			80.75	80.95	
3	80.33	80.49	80.68	81.02	81.17	80.56	80.73			80.76	80.95	
4	80.33	80.48	80.68	81.03	81.18	80.58	80.72			80.78	70.96	
5	80.32	80.49	80.67	81.05	81.19	80.59	80,68			80.78	70.97	
6	80.31	80.50	80.67	81.06	81.20	80.57	80.67			80.79	80.09	
7	80.33	80.51	80.66	81.08	81.20	80.54	80.65			80.80	80.99	
8	80.31	80.52	80.66	81.09	81.23	80.52	80.64			80.84	81.00	
9	80.30	80.53	80.65	81.11	81.24	80.48	80.61		80.69	80.83	81.00	
10	80.30	80.54	80.65	81.12	81.26	80.46	80.60		80.68	80.83	81.00	
11	80.30	80.55	80.64	81.14	81.30	80.45	80.59		80.69	80.88	81.01	
12	80.30	80.56	80.64	81.14	81.31	80.43	80.55		80.69	80.88	81.03	
13	80.31	80.58	80.64	81.15	81.33	80.38	80.54		80.69	80.87	81.02	
14	80.32	80.59	80.67	81.16	81.33	80.35			80.68	80.89	81.02	
15	80.31	80.61	80.69	81.17	81.35	80.33			80.67	80.89	81.02	
16	80.29	80.63	80.72	81.18	81.37	80.35			80.66	80.89	81.02	
17	80.31	80.65	80.74	81.18	81.39	80.37			80.68	80.92	81.05	
18	80.33	80.67	80.76	81.19	81.40	80.41			80.68	80.93	81.05	
19	80.34	80.69	80.79	81.20	80.94	80.43			80.68	80.95	81.05	
20	80.36	80.69	80.81	81.23	80.39	80.43			80.66	80.93	81.06	
21	80.38	80.70	80.84	81.24	80.39	80.46			80.67	80.91	81.07	
22	80.40	80.70	80.86	81.24	80.41	80.49			80.66	80.90		
23	80.41	80.70	80.88	81.25	80.40	80.52			80.66	80.90		
24	80.43	80.70	80.89	81.25	80.42	80.54			80.66	80.90		
25	80.45	80.70	80.90	81.26	80.43	80.56			80.68	80.89		
26	80.47	80.70	80.90	81.28	80.44	80.58			80.67	80.90		
27	80.48	80.70	80.91	81.29	80.46	80.61			80.69	80.89		
28	80.50	80.70	80.93	81.27	80.47	80.62			80.68	80.90		
29	80.52	80.70	80.94	81.23	80.47	80.65			80.70	80.92		
30	80.54		80.96	81.19	80.48	80.65			80.71	80.92		
31			80.97		80.50					80.93		

TABLE 34
OBSERVATION WELL DATA
ALBANY RIVER BASIN
1973

Observation Well No:	43-05-003R (1601461
Location:	18 Miles North of Calstock 50° 04'N; 84° 08'W
Elevation:	No Bench Mark
Aquifer or Geological Material:	Sand and Gravel
Type:	Rotary, 2" I.D. casing
Depth:	120 Feet
Recording Commenced:	June 19th, 1969
Measuring Point:	Top of Casing 3.00 Feet above Ground Surface

Average Daily Water Level From Ground Surface in Feet

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1				81.90	82.03	81.12	81.00	80.99	80.81	80.74	80.51	80.26
2				81.91	82.03	81.10	80.33	80.96	80.80	80.75	80.49	80.25
3				81.93	82.05	81.09		80.93	80.79	80.74	80.49	80.25
4				81.94	82.07	81.10		80.91	80.79	80.74	80.50	80.25
5				81.94	82.08	81.08		80.88	80.78	80.73	80.49	80.25
6				81.98	82.05	81.10		80.86	80.78	80.73	80.46	80.25
7				81.98	82.04	81.10		80.86	80.79	80.73	80.46	80.25
8				82.00	82.00	81.08		80.85	80.79	80.73	80.46	80.24
9			81.64	82.01	81.97	81.10		80.84	80.77	80.71	80.45	80.22
10			81.65	82.02	81.91	81.11		80.82	80.75	80.70	80.44	80.21
11			81.65	82.05	81.85	81.11		80.83	80.76	80.68	80.44	80.19
12			81.65	82.07	82.80	81.12		80.83	80.78	80.67	80.45	80.18
13			81.65	82.08	81.75	81.13		80.83	80.77	80.66	80.44	80.17
14			81.66	82.11	81.71	81.13		80.82	80.77	80.65	80.44	80.15
15			81.68	82.12	81.66	81.15		80.82	80.78	80.65	80.43	80.15
16			81.70	82.12	81.63	81.15		80.83	80.77	80.64	80.41	80.15
17			81.70	82.12	81.59	81.16		80.83	80.77	80.64	80.37	80.15
18			81.72	82.12	81.56	81.17		80.82	80.76	80.63	80.36	80.14
19			81.74	82.14	81.52	81.17		80.82	80.76	80.63	80.35	80.14
20			81.75	82.13	81.48	81.18		80.81	80.77	80.62	80.35	80.14
21			81.76	82.10	81.44	81.18		80.80	80.76	80.61	80.35	80.13
22			81.78	82.08	81.40	81.18		80.81	80.77	80.60	80.34	80.12
23			81.80	82.05	81.35	81.21		80.82	80.78	80.60	80.34	80.12
24			81.80	82.03	81.32	81.21	81.21	80.81	80.78	80.61	80.34	80.11
25			81.81	82.02	81.30	81.23	81.20	80.81	80.78	80.62	80.34	80.10
26			81.81	82.01	81.28	81.22	81.18	80.81	80.76	80.60	80.33	80.09
27			81.83	82.02	81.24	81.23	81.17	80.80	80.76	80.56	80.31	80.09
28			81.85	82.01	81.21	81.23	81.14	80.81	80.75	80.55	80.30	82.80
29			81.85	82.02	81.18	81.17	81.11	80.82	80.76	80.55	80.29	83.17
30			81.86	82.04	81.15	81.08	81.06	80.82	80.75	80.53	80.27	83.27
31			81.88		81.13		81.02	80.80		80.54		83.36

TABLE 35
OBSERVATION WELL DATA
ALBANY RIVER BASIN
1972

Observation Well No:	43-05-004 R
Location:	Albany River West of Hat Island 51° 45'N; 83° 55' W
Elevation:	299.9 Feet Above Sea Level
Type:	Rotary, 2-3/8" I.D. casing
Aquifer or Geological Material:	Limestone
Depth	150 Feet
Recording Commenced:	August 3rd, 1968
Measuring Point:	Top of Casing 3.0 Feet Above Ground Surface

Average Daily Water Level From Ground Surface in Feet

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1						10.20	11.73	11.53	12.22	11.82	11.28	11.62
2						10.25	11.93	11.36	12.39	11.96	11.31	11.73
3						10.31	12.04	11.40	12.39	11.91	11.34	11.84
4						10.36	12.09	11.36	12.29	11.86	11.28	11.84
5						10.42	12.11	11.29	12.27	11.88	11.32	11.87
6						10.47	12.14	11.30	12.23	11.84	11.29	11.52
7						10.52	12.18	11.26	12.27	11.59	11.38	11.64
8						10.56	12.21	11.27	12.42	11.49	11.40	11.62
9						10.60	12.19	11.33	12.50	11.77	11.39	11.55
10						10.64	12.22	11.35	12.37	11.72	11.29	11.47
11						10.69	12.21	11.30	12.39	11.65	11.25	11.47
12						10.74	12.18	11.53	12.43	11.71	11.34	11.50
13						10.79	12.20	11.69	12.39	11.45	11.43	
14						10.84	12.01	11.83	12.36	11.46	11.44	
15						10.89	12.07	11.90	12.30	11.35	11.40	
16						10.94	12.10	11.85	12.27	11.10	11.36	
17						10.98	12.03	11.87	12.33	11.32	11.47	
18						11.00	11.95	11.98	12.53	11.44	11.60	
19						11.03	11.99	12.11	12.57	11.47	11.65	
20						11.16	11.88	12.06	12.28	11.35	11.65	
21						11.32	11.93	12.04	12.18	11.33	11.69	
22						11.50	11.85	12.13	12.33	11.47	11.59	
23					9.71	11.51	11.75	12.11	12.18	11.50	11.42	
24					9.76	11.51	11.73	12.11	12.10	11.44	11.53	
25					9.82	11.52	11.81	12.15	12.15	11.24	11.47	
26					9.87	11.57	11.82	12.14	12.14	11.17	11.36	
27					9.92	11.63	11.80	12.02	12.19	11.35	11.46	
28					9.98	11.67	11.76	12.06	11.93	11.24	11.65	
29					10.03	11.71	11.69	12.17	11.86	11.43	11.67	
30					10.09	11.86	11.62	12.09	11.84	11.46	11.54	
31					10.14		11.54	12.08		11.38		

TABLE 36
OBSERVATION WELL DATA
ALBANY RIVER BASIN
1972

Observation Well No:	43-05-016-2R (6100803)
Location:	Hwy. 643 ($2\frac{1}{4}$ miles west of Hwy. 584) 50^{0} 10'N; 86^{0} 51' W
Elevation:	1105 Feet
Type:	Jetted, 2" I. D. casing
Aquifer or Geological Material:	Sand and Gravel
Depth:	68.3 Feet
Recording Commenced:	July 15th, 1970
Measuring Point:	Top of Casing 3.41 Feet above Ground Surface

Average Daily Water Level From Ground Surface in Feet

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1						34.08	34.24	33.93	33.83	33.78		
2						34.10	34.24	33.90	33.86	33.80		
3						34.11	34.27	33.88	33.87	33.82		
4						34.14	34.28	33.86	33.87	33.81		
5						34.16	34.28	33.84	33.86	33.81		
6						34.18	34.28	33.84	33.85	33.80		
7						34.19	34.28	33.82	33.82	33.72		
8						34.20	34.27	33.82	33.84	33.65		
9						34.22	34,25	33.82	33.87	33.68		
10						34.24	34.22	34.82	33.88	33.71		
11						34.25	34.22	33.83	33.90	33.71		
12						34.25	34.19	33.84	33.88	33.73		
13						34.26	34.18	33.85	33.90	33.68		
14						34.26	34.12	33.86	33.89	33.67		
15						34.25	34.11	33.83	33.87	33.66		
16						34.27	34.12	33.82	33.86	33.53		
17						34.28	34.13	33.81	33.83	33.59		
18					34.54	34.27	34.12	33.83	33.87	33.66		
19					34.53	34.27	34.12	33.83	33.93	33.70		
20					34.50	34.25	34.10	33.80	33.91	33.70		
21					34.45	34.25	34.09	33.81	33.88	33.67		
22					34.40	34.27	34.08	33.82	33.88	33.68		
23					34.34	34.28	34.05	33.82	33.88	33.70		
24					34.28	34.27	34.02	33.83	33.89	33.71		
25					34.23	34.26	34.03	33.83	33.87	33.65		
26					34.18	34.25	34.04	33.82	33.86	33.60		
27					34.13	34.25	34.03	33.81	33.87	33.62		
28					34.08	34.25	34.02	33.82	33.84	33.63		
29					34.07	34.24	34.01	33.82	33.78			
30					34.07	34.24	33.99	33.82	33.79			
31					34.07		33.92					

TABLE 37
OBSERVATION WELL DATA
ALBANY RIVER BASIN
1973

Observation Well No:	43-05-016-2R (6100803)
Location:	Hwy. 643 (2¼ miles west of Hwy. 584) 50° 10'N; 86°51'W
Elevation:	1105 Feet
Aquifer or Geological Material:	Jetted, 2" I.D. casing
Type:	Sand and Gravel
Depth:	68.3 Feet
Recording Commenced:	July 15th, 1970
Measuring Point:	Top of Casing 3.41 Feet above Ground Surface

Average Daily Water Level From Ground Surface in Feet

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1		34.22	34.26	34.68	34.50	34.08	33.90		33.95	34.07	34.21	34.38
2		34.22	34.28	34.66	34.46	34.09	33.88		33.96	34.07	34.17	34.39
3		34.20	34.27	34.68	34.42	34.07	33.85		33.98	34.08	34.15	34.39
4		34.22	34.30	34.68	34.42	34.04	33.83		33.94	34.08	34.14	34.44
5		34.26	34.38	34.66	34.40	34.04	33.80		33.90	34.08	34.18	34.48
6		34.25	34.42	34.66	34.38	34.03	33.77		33.92	34.10	34.23	34.41
7		34.25	34.36	34.70	34.34	34.05	33.74		33.96	34.10	34.27	34.38
8		34.25	34.38	34.72	34.31	34.04	33.73		33.99	34.10	34.29	34.43
9		34.25	34.48	34.73	34.28	34.04	33.75		33.99	34.11	34.29	34.48
10		34.27	34.52	34.70	34.26	34.03	33.75		33.95	34.11	34.28	34.47
11		34.26	34.52	34.69	34.26	34.02	33.73		33.95	34.10	34.25	34.47
12	34.03	34.24	34.52	34.71	34.27	34.04	33.67		33.99	34.08	34.29	34.46
13	34.05	34.26	34.54	34.73	34.28	34.05	33.62		34.03	34.07	34.32	34.47
14	34.07	34.28	34.53	34.72	34.27	34.05	33.64		34.03	34.07	34.31	34.47
15	34.09	34.29	34.51	34.70	34.18	34.03	33.68	33.83	34.03	34.07	34.28	34.49
16	34.08	34.28	34.54	34.67	34.13	34.02	33.68	33.84	34.03	34.07	34.29	34.53
17	34.09	34.23	34.57	34.67	34.14	34.02	33.66	33.84	34.02	34.09	34.31	34.57
18	34.08	34.21	34.58	34.73	34.14	34.01	33.67	33.85	34.01	34.12	34.32	34.60
19	34.09	34.22	34.59	34.77	34.15	34.00	33.67	33.85	33.98	34.14	34.33	34.60
20	34.16	34.25	34.62	34.75	34.15	34.99	33.69	33.85	34.02	34.16	34.34	34.61
21	34.16	34.27	34.63	34.69	34.13	33.99	33.69	33.87	34.04	34.17	34.35	34.62
22	34.12	34.24	34.62	34.59	34.12	34.00	33.70	33.87	34.03	34.19	34.36	34.63
23	34.11	34.24	34.63	34.62	34.12	34.00	33.72	33.87	34.05	34.19	34.37	34.63
24	34.14	34.29	34.63	34.65	34.10	34.00	33.72	33.89	34.06	34.19	34.33	34.61
25	34.15	34.33	34.63	34.65	34.09	33.97	33.68	33.89	34.06	34.18	34.29	34.61
26	34.19	34.34	34.63	34.63	34.10	33.95	33.66	33.90	34.05	34.17	34.36	34.65
27	34.24	34.29	34.63	34.58	34.09	33.95	33.66	33.91	34.04	34.15	34.37	34.67
28	34.25	34.27	34.63	34.52	34.09	33.94	33.68	33.92	34.05	34.18	34.37	34.64
29	34.21		34.65	34.50	34.08	33.93	33.70	33.92	34.06	34.22	34.38	34.66
30	34.20		34.67	34.50	34.07	33.90	33.73	33.94	34.06	34.24	34.38	34.66
31	34.22		34.68		34.07		33.76	33.95		34.23		34.65

TABLE 38
OBSERVATION WELL DATA
ALBANY RIVER BASIN
1973

Observation Well No:	43-05-024
Location:	Balkam Creek Well near Nakina
	51° 12'N; 86° 45'W
Elevation:	1033 Feet
Aquifer or Geological Material:	Jetted, 1½" I.D. casing
Type:	Sand and Gravel
Depth:	48 Feet
Recording Commenced:	May 29, 1973
Measuring Point:	Top of casing 5.0 ft. above ground surface

Average Daily Water Level From Ground Surface in Feet

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1						19.00	18.91	18.95	19.11	19.17	19.23	19.23
2						18.99	18.95	18.96	19.11	19.16	19.23	19.25
3						18.98	18.95	18.94	19.12	19.18	19.23	19.24
4						18.98	18.94	18.95	19.16	19.17	19.22	19.22
5						18.98	18.93	18.96	19.16	19.17	19.22	19.20
6						18.96	18.93	18.96	19.16	19.18	19.22	19.21
7						19.94	18.93	18.97	19.16	19.18	19.22	19.22
8						18.95	18.91	18.97	19.16	19.18	19.22	19.23
9						18.92	18.91	18.99	19.17	19.18	19.22	19.24
10						18.91	18.90	19.00	19.20	19.19	19.22	19.24
11						18.91	18.90	19.03	19.19	19.19	19.22	19.24
12						19.88	18.92	19.04	19.15	19.19	19.21	19.25
13						18.86	18.91	19.05	19.14	19.18	19.22	19.28
14						18.85	18.89	19.06	19.14	19.18	19.22	19.31
15						18.84	18.90	19.06	19.14	19.18	19.26	19.32
16						18.83	18.90	19.05	19.15	19.17	19.27	
17						18.82	18.89	19.05	19.17	19.18	19.27	
18						18.82	18.91	19.06	19.17	19.18	19.27	
19						18.82	18.90	19.08	19.18	19.19	19.28	
20						18.82	18.91	19.06	19.16	19.20	19.28	
21						18.81	18.91	19.05	19.16	19.21	19.27	
22						18.80	18.91	19.06	19.17	19.21	19.25	
23						18.79	18.91	19.07	19.15	19.22	19.23	
24						18.79	18.92	19.08	19.15	19.19	19.21	
25						18.79	18.93	19.08	19.14	19.20	19.20	
26						18.78	18.94	19.08	19.14	19.22	19.18	
27						18.76	18.96	19.09	19.15	19.22	19.17	
28						18.78	18.95	19.10	19.18	19.23	19.18	
29					19.04	18.82	18.96	19.10	19.17	19.24	19.20	
30					19.04	18.88	18.94	19.10	19.18	19.24	19.22	
31					19.02		18.94	19.10		19.24		

TABLE 39
OBSERVATION WELL DATA
ATTAWAPISKAT RIVER BASIN
1972

Observation Well No:	44-05-001 R
Location:	Badesdawa Lake Outlet 51° 51'N, 89° 36'W
Elevation:	1130.2 (Based on Inland Waters Branch BM)
Type:	Rotary, 2-3/8" I. D. casing
Aquifer or Geological Material:	Fine and very fine sand with some silt
Depth:	86.5 Feet
Recording Commenced:	August 23rd, 1967
Measuring Point:	Top of Casing 3.0 Feet above Ground Surface

Average Daily Water Level From Ground Surface in Feet

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1				44.26	44.24	40.06	41.58	41.02	42.30	41.95		
2				44.27	43.99	40.06	41.64	41.07	42.33	41.87		
3				44.28	43.69	40.08	41.71	41.11	42.38	41.80		
4				44.33	43.41	40.11	41.78	41.17	42.42	41.73		
5				44.34	43.15	40.15	41.84	41.22	42.46	41.68		
6				44.36	42.90	40.19	41.88	41.28	42.50	41.62		
7				44.38	42.67	40.23	41.92	41.32	42.53	41.54		
8				44.40	42.48	40.27	41.98	41.36	42.56	41.45		
9				44.39	42.27	40.32	42.03	41.40	42.60	41.44		
10				44.39	42.08	40.37	42.05	41.46	42.62	41.40		
11				44.41	41.96	40.41	42.05	41.49	42.62	41.37		
12				44.41	41.80	40.47	42.04	41.54	42.62	41.34		
13				44.42	41.59	40.51	42.02	41.60	42.63	41.27		
14				44.42	41.42	40.56	42.00	41.66	42.65	41.19		
15				44.42	41.24	40.62	41.96	41.71	42.66	41.14		
16			44.08	44.43	41.08	40.70	41.91	41.76	42.65	41.04		
17			44.11	44.45	40.98	40.78	41.73	41.79	42.63	40.99		
18			44.12	44.47	40.91	40.84	41.57	41.85	42.63			
19			44.13	44.48	40.79	40.90	41.45	41.90	42.65			
20			44.15	44.49	40.70	40.96	41.32	41.95	42.60			
21			44.17	44.50	40.59	41.02	41.23	41.98	42.56			
22			44.18	44.50	40.48	41.09	41.18	42.01	42.53			
23			44.20	44.51	40.35	41.16	41.09	42.03	42.49			
24			44.21	44.53	40.25	41.21	41.03	42.07	42.46			
25			44.23	44.53	40.18	41.28	41.00	42.11	42.42			
26			44.22	44.52	40.15	41.33	40.99	42.13	42.39			
27			44.24	44.50	40.10	41.38	40.99	42.15	42.35			
28			44.24	44.46	40.08	41.42	40.98	42.17	42.26			
29			44.24	44.43	40.05	41.48	40.97	42.20	42.16			
30			44.24	44.37	40.06	41.53	40.95	42.24	42.06			
31			44.24		40.07		40.97	42.28				

TABLE 40
OBSERVATION WELL DATA
ATTAWAPISKAT RIVER BASIN
1973

Observation Well No:	44-05-001 R
Location:	Badesdawa Lake Outlet
	51° 51'N; 89° 36'W,
Elevation:	1130.2 (Based on Inland Waters Branch BM)
Aquifer or Geological Material:	Rotary, 2 3/8" I.D. casing
Type:	Fine and very fine sand with some silt
Depth:	86.5 Feet
Recording Commenced:	August 23rd, 1967
Measuring Point:	Top of Casing 3.0 Feet above Ground Surface

Average Daily Water Level From Ground Surface in Feet

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1		44.04	44.58	44.85	53.82	41.95	41.97	41.88	42.84	41.55	41.86	42.34
2		44.07	44.58	44.86	43.72	41.94	41.81	41.92	42.78	41.56	41.87	42.35
3		44.09	44.58	44.87	43.63	41.94	41.61	41.96	42.73	41.58	41.87	42.36
4		44.11	44.61	44.89	43.54	41.93	41.48	42.00	42.68	41.59	41.89	42.37
5		44.11	44.62	44.88	43.45	41.93	41.37	42.04	42.63	41.61	41.90	42.39
6		44.14	44.63	44.87	43.33	41.92	41.28	42.09	42.59	41.63	41.91	52.41
7		44.17	44.63	44.89	43.19	41.92	41.21	42.13	42.56	41.64	41.93	42.42
8		44.19	44.64	44.90	43.06	41.91	41.15	42.15	42.51	41.66	41.95	42.43
9		44.21	44.66	44.91	42.93	41.91	41.13		42.50	41.68	41.97	42.44
10		44.24	44.66	44.90	42.79	41.90	41.10		42.51	41.71	41.99	42.46
11		44.24	44.65	44.90	42.66	41.90	41.08		42.52	41.74	42.00	42.47
12		44.26	44.66	44.93	42.56	41.90	41.07		42.55	41.76	42.02	42.48
13		44.29	44.67	44.93	42.49	41.91	41.06		42.64	41.79	42.03	42.50
14	43.64	44.33	44.68	44.92	42.40	41.93	41.07		42.74	41.82	42.05	42.51
15	43.66	44.36	44.69	44.92	42.28	41.94	41.12		42.81	41.84	42.07	42.53
16	43.70	44.37	44.71	44.92	42.18	41.96	41.12		42.55	41.87	42.09	42.54
17	43.71	44.38	44.72	44.92	42.10	41.98	41.13		41.85	41.89	42.12	42.56
18	43.73	44.38	44.73	44.93	42.03	42.00	41.15		41.83	41.90	42.14	42.57
19	43.75	44.41	44.74	44.94	41.98	42.02	41.20		41.82	41.92	42.17	42.59
20	43.78	44.43	44.76	44.93	41.96	42.04	41.24		41.80	41.93	42.19	42.60
21	43.80	44.45	44.77	44.91	41.93	42.06	41.28		41.75	41.93	42.21	42.62
22	43.81	44.47	44.77	44.88	41.92	42.08	41.34		41.71	41.92	42.22	42.63
23	43.80	44.49	44.77	44.83	41.93	42.10	41.40		41.67	41.92	42.24	42.65
24	43.82	44.52	44.78	44.77	41.94	42.11	41.45		41.67	41.91	42.26	42.66
25	43.85	44.55	44.77	44.68	41.95	42.12	41.51		41.65	41.92	42.27	42.69
26	43.88	44.55	44.80	44.50	41.95	42.12	41.55		41.62	41.92	42.28	42.71
27	43.91	44.56	44.80	44.31	41.95	42.11	41.62		41.59	41.91	42.30	42.74
28	43.94	44.57	44.80	44.14	41.95	42.11	41.67		41.57	41.91	42.31	42.76
29	43.96		44.82	44.00	41.95	42.10	41.73		41.56	41.90	42.32	42.79
30	43.99		44.84	43.90	41.95	42.06	41.78	42.95	41.55	41.89	42.33	42.82
31	44.01		44.85		41.95		41.83	42.90		41.87		42.85

TABLE 41
OBSERVATION WELL DATA
ATTAWAPISKAT RIVER BASIN
1972

Observation Well No:	44-05-002-1 3100578
Location:	Pickle Lake, 51°27'N, 90°13'W
Elevation:	1200 feet
Type:	Driven 2.0"ID
Aquifer or Geological Material:	Medium sand and fine gravel
Depth:	26 feet
Recording Commenced:	November 6, 1971
Measuring Point:	Top of casing (3.84 feet above ground surface)

Distance to water level from top of casing

Date	Feet	Date	Feet
Jan. 9	16.36	July 16	15.96
Jan. 29	16.44	Aug. 13	16.15
Feb. 27	16.52	Sept 10	16.13
Mar. 25	19.66	Oct. 14	15.94
Apr. 23	16.56	Nov. 6	16.05
May 21	15.88	Dec. 3	15.17
June 18	16.11		

Observation Well No:	44-05-002-2 3100577
Location:	Pickle Lake 57°27'N, 90°13'W
Elevation:	1200 feet
Type:	Jetted 2.5"ID
Aquifer or Geological Material:	Medium sand and fine gravel
Depth:	41 feet
Recording Commenced:	November 6, 1971
Measuring Point:	Top of casing (3.52 feet above ground surface)

Distance to water level from top of casing

Date	Feet	Date	Feet
Jan. 9	16.20	July 16	15.81
Jan. 29	16.25	Aug. 13	15.91
Feb. 27	16.47	Sept 10	15.73
Mar. 25	16.44	Oct. 14	15.76
Apr. 23	16.40	Nov. 6	15.86
May 21	15.76	Dec. 3	15.28
June 18	15.95		

TABLE 42
OBSERVATION WELL DATA
ATTAWAPISKAT RIVER BASIN
1972

Observation Well No:	44-005-003 3100569
Location:	Pickle Lake 57° 27'N, 90° 13'W
Elevation:	1200 feet
Type:	Jetted 1.5" ID
Aquifer or Geological Material:	Medium sand, fine gravel
Depth:	40.5 feet
Recording Commenced:	Oct. 17, 1971
Measuring Point:	Top of casing (2.70 feet above ground surface)

Distance to water level from top of casing

Date	Feet	Date	Feet
Jan. 9	27.62	July 16	27.20
Jan. 29	27.75	Aug. 13	27.16
Feb. 27	27.55	Sept 10	28.23
Mar. 25	28.09	Oct. 14	27.11
Apr. 23	28.35	Nov. 6	27.15
May 21	27.75	Dec. 3	27.28
June 18	27.68		

Observation Well No:	44-05-004 3100570
Location:	Pickle Lake (on road to airport) 51° 27'N, 90° 13'W
Elevation:	1200 feet
Type:1	Jetted 3" ID
Aquifer or Geological Material:	Medium to coarse sand, fine gravel
Depth:	40 feet
Recording Commenced:	November 6, 1971
Measuring Point:	Top of casing (1.30 feet above ground surface)

Distance to water level from top of casing

Date	Feet	Date	Feet
Jan. 9	29.47	July 16	29.22
Jan. 29	28.71	Aug. 13	29.31
Feb. 27	29.80	Sept 10	29.26
Mar. 25	29.80	Oct. 14	29.16
Apr. 23	29.73	Nov. 6	29.25
May 21	29.06	Dec. 3	29.38
June 18	29.31		

TABLE 43
OBSERVATION WELL DATA
ATTAWAPISKAT RIVER BASIN
1972

Observation Well No:	44-05-005 (3100571)
Location:	Pickle Lake 51° 27' N; 90° 13' W
Elevation:	1200 Feet
Type:	Jetted, 2" I. D. casing
Aquifer or Geological Material:	Course sand and gravel
Depth:	69 Feet
Recording Commenced:	November 6, 1971
Measuring Point:	Top of Casing, 4.21 feet above ground surface

Distance to Water Level from Ground Surface in Feet

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	47.14	47.27	47.39	47.50	47.22	46.81	47.11	46.75				
2	47.14	47.28	47.39	47.49	47.23	46.82	47.11	46.76				
3	47.15	47.27	47.39	47.49	47.19	46.85	47.10	46.77				
4	47.16	47.28	47.39	47.49	47.15	46.87	47.10	46.78				
5	47.16	47.29	47.40	47.50	47.11	46.89	47.09	46.78				
6	47.16	47.29	47.41	47.49	47.08	46.90	47.09	46.78				
7	47.16	47.29	47.42	47.50	47.05	46.91	47.08	46.79				
8	47.16	47.29	47.41	47.50	47.02	46.93	47.06	46.79				
9	47.18	47.30	47.42	47.50	46,99	46.95	47.01	46.76				
10	47.19	47.29	47.42	47.50	46.96	46.98	46.96	46.73				
11	47.19	47.29	47.41	47.51	46.94	46.99	46.93	46.72				
12	47.20	47.29	47.42	47.50	46.91	46.98	46.91	46.72				
13	47.19	47.30	47.43	47.50	46.90	47.00	46.90					
14	47.19	47.34	47.42	47.51	46.88	47.01	46.89					
15	47.19	47.34	47.42	47.51	46.86	47.04	46.89					
16	47.19	47.34	47.43	47.51	46.84	47.06	46.88					
17	47.20	47.34	47.45	47.51		47.06	46.85					
18	47.21	47.34	47.43	47.51		47.07	46.84					
19	47.22	47.34	47.44	47.52		47.06	46.83					
20	47.22	47.35	47.44	47.51		47.07	46.83					
21	47.22	47.36	47.45	47.50		47.06	46.81					
22	47.22	47.36	47.45	47.49	46.79	47.06	46.79					
23	47.23	47.36	47.45	47.47	46.77	47.06	46.77					
24	47.24	47.37	47.45	47.44	46.77	47.06	46.77					
25	47.25	47.37	47.48	47.43	46.77	47.07	46.78					
26	47.25	47.37	47.48	47.41	46.76	47.07	46.77					
27	47.25	47.38	47.48	47.39	46.78	47.08	46.76					
28	47.26	47.39	47.47	47.36	46.79	47.08	46.76					
29	47.26	47.38	47.48	47.33	46.79	47.09	46.75					
30	47.26		47.49	47.31	46.80	47.11	46.74					
31	47.26		47.50		46.80		46.75					

TABLE 44
OBSERVATION WELL DATA
ATTAWAPISKAT RIVER BASIN
1973

Observation Well No:	44-05-005 (3100571)
Location:	Pickle Lake 51°27'N; 90°13'W
Elevation:	1200 Feet
Aquifer or Geological Material:	Jetted, 2" I. D. casing
Type:	Course sand and gravel
Depth:	69 Feet
Recording Commenced:	November 6, 1971
Measuring Point:	Topv of Casing, 4.21 feet above ground surface

Average Daily Water Level From Ground Surface in Feet

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1		47.60	47.61			46.92	46.90	46.89	46.78	47.18		
2		47.61	47.60			46.92	46.88	46.89	46.79	47.20		
3			47.58			46.93	46.88	46.98	46.77	47.22		
4			47.57			46.93	46.89	46.90	46.75	47.22		
5			47.57			46.93	46.88	46.91	46.74	47.23		
6			47.55			46.94	46.87	46.90	46.73	47.25		
7			47.54			46.96	46.86	46.89	46.74	47.26		
8			47.52			46.96	46.87	46.88	46.76	47.28		
9			47.51			46.96	46.88	46.88	47.77	47.29		
10			47.50			46.96	46.89	46.88	46.79	47.30		
11			47.49			46.96	46.89	46.86	46.79	47.29		
12			47.47			46.96	46.90	46.83	46.81	47.27		
13			47.45			46.96	46.90	46.81	46.84	47.24		
14			47.45		46.90	46.96	46.91	46.79	46.87	47.14		
15	47.19		47.43		46.90	46.96	46.91	46.76	46.88	47.10		
16	47.23				46.90	46.97	46.92	46.74	46.88	47.11		
17	47.26				46.89	46.98	46.92	46.74	46.89	47.11		
18	47.30				46.89	46.99	46.92	46.74	46.90	47.10		
19	47.32				46.89	46.99	46.93	46.75	46.93	47.11		
20	47.34				46.90	47.00	46.95	46.73	46.96	47.11		
21	47.37				46.89	47.00	46.94	46.74	46.98	47.13		
22	47.40				46.88	47.00	46.96	46.73	47.01	47.14		
23	47.41				46.89	46.99	46.97	46.72	47.04	47.15		
24	47.43				46.88	46.99	46.98	46.73	47.04	47.16		
25	47.46				46.88	46.98	46.98	46.73	47.06	47.17		
26	47.49	47.66			46.88	46.98	46.98	46.74	47.08	47.18		
27	47.51	47.63			46.88	46.99	46.97	46.73	47.11	47.19		
28	47.52	47.63			46.89	46.98	46.94	46.74	47.13	47.18		
29	47.54				46.90	46.94	46.91	46.75	47.15	47.18		
30	47.56				46.90	46.92	46.90	46.77	47.17	47.18		
31	47.58				46.91		46.90	46.78		47.10		

TABLE 45
OBSERVATION WELL DATA
ATTAWAPISKAT RIVER BASIN
1972

Observation Well No:	44-05-006-1 3100572
Location:	Central Patricia 51°29'N, 90°11'W
Elevation:	1240 feet
Type:	Jetted 1.5" ID
Aquifer or Geological Material:	Fine to medium sand, and gravel
Depth:	52 feet
Recording Commenced:	November 6, 1971
Measuring Point:	Top of casing (3.33 feet above ground surface)

Distance to water level from top of casing

Date	Feet	Date	Feet
Jan. 9	10.79	July 16	10.89
Jan. 29	11.18	Aug. 13	11.19
Feb. 27	11.60	Sept 10	10.58
Mar. 25	11.89	Oct. 14	9.09
Apr. 23	12.05	Nov. 6	9.47
May 21	9.91	Dec. 3	10.21
June 18	10.20		

Observation Well No:	44-05-006-2 3100572
Location:	Central Patricia 57°29'N, 90°11'W
Elevation:	1240 feet
Type:	Jetted 1.5" ID
Aquifer or Geological Material:	Fine sand
Depth:	14 feet
Recording Commenced:	November 6, 1971
Measuring Point:	Top of casing (3.46 feet above ground surface)

Distance to water level from top of casing

Date	Feet	Date	Feet
Jan. 9	10.63	July 16	11.04
Jan. 29	11.04	Aug. 13	9.99
Feb. 27	11.46	Sept 10	10.48
Mar. 25	11.77	Oct. 14	9.07
Apr. 23	11.93	Nov. 6	9.33
May 21	9.88	Dec. 3	9.87
June 18	10.82		

TABLE 46
OBSERVATION WELL DATA
ATTAWAPISKAT RIVER BASIN
1972

Observation Well No:	44-05-007-2 (3100573)
Location:	Central Patricia
	51° 29'N; 90° 11' W
Elevation:	1260 Feet
Type:	Jetted, 1½" I. D. Casing
Aquifer or Geological Material:	Find sand and silt
Depth:	9.8 Feet
Recording Commenced:	November 6, 1971
Measuring Point:	Top of casing 2.42 feet above ground surface

Distance to Water Level from Ground Surface in Feet

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	5.13	6.45	6.40	6.97	5.06	4.32		4.95			4.47	5.09
2	5.16	6.44	6.42	6.97	4.94	4.37		4.74			4.52	5.14
3	5.18	6.45	6.43	6.98	4.78	4.45		4.82			4.60	5.20
4	5.18	6.46	6.47	6.99	4.64	4.49		4.87			4.60	5.20
5	5.20	6.45	6.48	7.01	4.43	4.42		4.69			4.62	5.22
6	5.20	6.45	6.51	7.01	4.26	4.47		4.77			4.63	5.23
7	5.27	6.45	6.54	7.04	4.09	4.42		4.82			4.65	5.25
8	5.26	6.45	6.57	7.08	3.88	4.27		4.88			4.66	5.27
9	5.26	6.45	6.59	7.09	3.73	4.41		4.95			4.67	5.28
10	5.27	6.44	6.61	7.04	3.54	4.48		4.98			4.68	5.30
11	5.27	6.43	6.66	7.01	3.46	4.52		5.04			4.71	5.31
12	5.27	6.45	6.69	6.98	3.37	4.58		5.10			4.73	5.33
13	5.28	6.43	6.70	6.99	3.29	4.61	4.63	5.00			4.76	5.34
14	5.31	6.41	6.72	7.01	3.17	4.63	4.24	5.06			4.78	5.36
15	5.32	6.39	6.75	7.04	3.09	4.70	4.17	4.99			4.80	5.38
16	5.32	6.38	6.76	7.06	3.00	4.74	4.20	4.39			4.82	5.39
17	5.35	6.39	6.78	7.01	2.96	4.77	4.28	4.37			4.84	5.41
18	5.37	6.40	6.80	6.92	2.89	4.71	4.43	4.39			4.87	5.42
19	5.40	6.39	6.81	6.81	2.85	4.42	4.47	4.47		4.13	4.89	5.44
20	5.42	6.39	6.82	6.67	2.80	4.56	4.49	4.54		4.14	4.92	5.46
21	5.42	6.39	6.84	6.44		4.65	4.62	4.44		4.13	4.93	5.36
22	5.44	6.39	6.85	6.24		4.75	4.68			4.22	4.93	5.48
23	5.49	6.37	6.86	6.07		4.79	4.71			4.33	4.93	5.49
24	5.54	6.36	6.88	5.96			4.67			4.39	4.96	5.51
25	5.57	6.37	6.89	5.85			4.67			4.34	4.96	5.52
26	5.61	6.35	6.89	5.74			4.75			4.29	4.96	5.53
27	5.65	6.35	6.90	5.62	4.11		4.82			4.29	4.99	5.55
28	5.70	6.35	6.92	5.49	4.09		4.88			4.35	5.02	5.56
29		6.37	6.93	5.36	4.18		4.92			4.40	5.03	5.58
30			6.95	5.21	4.21		4.87			4.43	5.06	5.59
31	5.45		6.96		4.25		4.89			4.45		5.60

TABLE 47
OBSERVATION WELL DATA
ATTAWAPISKAT RIVER BASIN
1973

Observation Well No:	44-05-007-2 (3100573)
Location:	Central Patricia 51° 29'N; 90° 11'W
Elevation:	1260 Feet
Aquifer or Geological Material:	Jetted, 1½ I.D. Casing
Type:	Find sand ans silt
Depth:	9.8 Feet
Recording Commenced:	November 6, 1971
Measuring Point:	Top of casing 2.42 feet above ground surface

Average Daily Water Level From Ground Surface in Feet

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1		6.17	6.78	6.94	5.00	4.86	4.08	4.77	5.12	4.69	4.75	5.06
2		6.19	6.80	6.93	4.95	4.89	4.20	4.85	5.07	4.71	4.94	5.04
3		6.21	6.82	6.90	4.91	4.90	4.23	4.85	4.86	4.70	5.09	5.07
4		6.24	6.84	6.87	4.88	4.91	4.13	4.53	4.76	4.71	5.09	5.10
5		6.25	6.86	6.84	4.84	4.94	4.25	4.61	4.59	4.75	5.10	5.14
6		6.27	6.88	6.85	4.77	4.95	4.34	4.60	4.47	4.77	5.11	5.16
7		6.28	6.90	6.86	4.71	4.98	4.34	4.58	4.33	4.80	5.10	5.18
8		6.31	6.92	6.85	4.68	4.86	4.46	4.45	4.41	4.82	5.11	5.18
9		6.32	6.93	6.85	4.62	4.72	4.41	4.41	4.46	4.83	5.12	5.21
10		6.34	6.94	6.84	4.60	4.77	4.50	4.38	4.50	4.77	5.11	5.23
11		6.37	6.95	6.86	4.58	4.78	4.58	3.79	4.58	4.77	5.08	5.23
12		6.39	6.96	6.88	4.59	4.81	4.59	3.68	4.66	4.29	5.08	5.27
13		6.43	6.97	6.90	4.62	4.89	4.64	3.74	4.63	4.30	5.07	5.29
14		6.44	6.98	6.87	4.62	4.94	4.71	3.69	4.02	4.30	5.08	5.33
15		6.46	6.99	6.62	4.56	4.90	4.78	3.82	3.95	4.34	5.09	5.36
16	5.99	6.47	7.00	6.46	9.54	4.94	4.84	3.93	4.02	4.37	5.09	5.37
17	5.99	6.50	7.01	6.40	4.58	4.92	4.89	4.07	4.09	4.41	5.07	5.38
18	5.99	6.51	7.02	6.35	4.60	4.87	4.93	4.20	4.14	4.45	5.06	5.37
19	6.01	6.54	7.02	6.23	4.61	4.90	4.88	4.31	4.24	4.49	5.06	5.38
20	6.02	6.57	7.03	6.05	4.60	4.86	4.96	4.15	4.31	4.53	5.06	5.40
21	6.02	6.59	7.05	5.82	4.63	4.78	5.02	4.03	4.36	4.55	4.95	5.41
22	6.02	6.61	7.07	5.61	4.65	4.84	5.07	4.18	4.41	4.58	4.80	5.43
23	6.04	6.65	7.07	5.46	4.68	4.90	5.13	4.30	4.48	4.62	4.83	5.47
24	6.06	6.68	7.08	5.34	4.68	4.96	5.13	4.46	4.49	4.61	4.87	5.46
25	6.07	6.70	7.10	5.26	4.68	4.87	4.88	4.57	4.44	4.62	4.90	5.48
26	6.09	6.72	7.11	5.20	4.70	4.70	4.36	4.63	4.48	4.69	4.93	5.50
27	6.11	6.73	7.10	5.17	4.73	4.35	4.33	4.68	4.54	4.71	4.96	5.49
28	6.11	6.76	7.00	5.13	4.77	4.15	4.46	4.78	4.58	4.73	4.99	5.50
29	6.12		6.95	5.09	4.79	4.04	4.52	4.83	4.63	4.74	4.99	5.53
30	6.13		6.96	5.05	4.79	4.04	4.58	4.94	4.65	4.74	5.05	5.55
31	6.15		6.96		4.83		4.68	5.04		4.75		5.57

TABLE 48
OBSERVATION WELL DATA
ATTAWAPISKAT RIVER BASIN
1972

Observation Well No:	44-05-071
Location:	Central Patricia 57°27'N, 90°14'W
Elevation:	1280 feet
Type:	Dug 1.5" ID
Aquifer or Geological Material:	Sand and silt
Depth:	8 feet
Recording Commenced:	November 6, 1971
Measuring Point:	Top of casing (3.36 feet above ground surface)

Distance to water level from top of casing

Date	Feet	Date	Feet
Jan. 9	4.03	July 16	3.53
Jan. 29	3.52	Aug. 13	4.01
Feb. 27	4.57	Sept 10	3.67
Mar. 28	5.09	Oct. 14	2.89
Apr. 23	4.12	Nov. 6	2.92
May 21	3.15	Dec. 3	6.79
June 18	3.62		

Observation Well No:	44-05-007-1 3100573
Location:	Central Patricia 51°29'N, 90°11'W
Elevation:	1260 feet
Type:	Jetted 1.5" ID
Aquifer or Geological Material:	Fine sand and silt
Depth:	20 feet
Recording Commenced:	November 6, 1971
Measuring Point:	Top of casing (3.13 feet above ground surface)

Distance to water level from top of casing

Date	Feet	Date	Feet
Jan. 9	5.03	July 16	4.18
Jan. 29	5.67	Aug. 13	4.95
Feb. 27	6.57	Sept 10	4.23
Mar. 25	6.83	Oct. 14	3.92
Apr. 23	5.96	Nov. 6	4.55
May 21	3.75	Dec. 3	5.07
June 18	4.86		

TABLE 49
OBSERVATION WELL DATA
ATTAWAPISKAT RIVER BASIN
1972

Observation Well No:	44-05-008-1 3100574
Location:	Central Patricia 51°29'N, 90°12'W
Elevation:	1280 feet
Type:	Jetted 2.5" ID
Aquifer or Geological Material:	Fine sand, gravel
Depth:	40 feet
Recording Commenced:	November 6, 1971
Measuring Point:	Top of casing (4.99 feet above ground surface)

Distance to water level from top of casing

Date	Feet	Date	Feet
Jan. 9	22.91	July 16	23.00
Jan. 29	23.02	Aug. 13	23.25
Feb. 27	23.22	Sept 10	22.96
Mar. 25	23.47	Oct. 14	22.68
Apr. 23	23.74	Nov. 6	22.62
May 21	23.31	Dec. 3	22.36
June 18	23.11		

Observation Well No:	44-05-008-2
Location:	Central Patricia 51°29'N 90°12'W
Elevation:	1280 feet
Type:	Jetted 2.5" ID
Aquifer or Geological Material:	Fine sand and gravel
Depth:	36 feet
Recording Commenced:	November 6, 1971
Measuring Point:	Top of casing (4.57 feet above ground surface)

Distance to water level from top of casing

Date	Feet	Date	Feet
Jan. 9	22.75	July 16	22.90
Jan. 29	22.46	Aug. 13	22.89
Feb. 27	23.02	Sept 10	22.83
Mar. 25	24.34	Oct. 14	22.59
Apr. 23	23.62	Nov. 6	22.42
May 21	23.19	Dec. 3	22.49
June 18	22.97		

TABLE 50
OBSERVATION WELL DATA
ATTAWAPISKAT RIVER BASIN
1972

Observation Well No:	44-05-009 3100575
Location:	Pickle Lake (Lands & Forests) 51°28'N, 90°13'W
Elevation:	1200 feet
Type:	Jetted 2.5" ID
Aquifer or Geological Material:	Fine to medium sand
Depth:	30 feet
Recording Commenced:	November 6, 1971
Measuring Point:	Top of casing (3.61 feet above ground surface)

Distance to water level from top of casing

Date	Feet	Date	Feet
Jan. 9	15.08	July 16	14.95
Jan. 29	15.23	Aug. 13	14.86
Feb. 27	15.44	Sept 10	15.03
Mar. 25	15.65	Oct. 14	13.85
Apr. 23	15.81	Nov. 6	14.81
May 21	15.39	Dec. 3	14.75
June 18	15.05		

Observation Well No:	44-05-010 3100576
Location:	Pickle Lake (Airport Road) 51°28'N, 90°13'W
Elevation:	1200 feet
Type:	Jetted 1.5" ID
Aquifer or Geological Material:	Medium to coarse sand and gravel
Depth:	53 feet
Recording Commenced:	November 6, 1971
Measuring Point:	Top of casing (2.29 feet above ground surface)

Distance to water level from top of casing

Date	Feet	Date	Feet
Jan. 9	41.90	July 16	41.87
Jan. 29	41.34	Aug. 13	41.63
Feb. 27	42.24	Sept 10	40.63
Mar. 25	42.70	Oct. 14	41.33
Apr. 23	42.48	Nov. 6	41.45
May 21	43.42	Dec. 3	41.65
June 18	42.03		

TABLE 51
OBSERVATION WELL DATA
SEVERN RIVER BASIN
1972

Observation Well No.:	47-05-001 R
Location:	Muskrat Dam Lake 53° 21'N; 90° 50'W
Elevation:	891.4 Above Sea Level
Type:	Rotary, 2" I.D. casing
Aquifer or Geological Material:	Schist
Depth:	134.2 Feet
Recording Commenced:	July 31, 1970
Measuring Point:	Top of casing 3.0 ft. above Ground Surface

Average Daily Water Level From Ground Surface in Feet

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1						10.29	10.68	9.34	9.64	7.94	9.08	
2						10.27	10.78	9.37	9.36	7.96	9.21	
3						10.45	10.79	9.47	9.16	7.83	9.16	
4						10.44	10.78	9.43	9.11	7.81	9.19	
5						10.32	10.75	9.56	9.07	7.87	9.27	
6						10.32	10.71	9.59	9.07	7.77	9.40	
7						10.18	10.74	9.54	9.26	7.57	9.49	
8						10.28	10.74	9.64	9.35	7.96		
9						10.33	10.71	9.68	9.33	8.01		
10						10.20	10.68	9.59	9.19	7.84		
11						10.13	10.64	9.44	9.44	8.13		
12						10.19	10.75	9.41	9.39	8.07		
13						10.17	10.73	9.37	9.44	7.96		
14						10.21	10.68	9.43	9.31	8.19		
15						10.50	10.87	9.40	9.33	8.04		
16						10.36	10.84	9.40	9.06	8.08		
17						10.22	10.85	9.46	9.32	8.44		
18						10.19	10.94	9.60	9.31	8.56		
19						10.34	10.93	9.64	9.16	8.41		
20						10.32	10.95	9.59	8.51	8.36		
21						10.38	11.08	9.80	8.21	8.59		
22						10.42	11.00	9.80	8.13	8.78		
23						10.44	10.89	9.84	7.98	8.77		
24						10.41	10.26	9.92	9.02	8.63		
25						10.39	9.44	10.00	8.20	8.49		
26						10.40	9.20	9.99	8.21	8.67		
27						10.43	9.14	9.98	8.23	8.94		
28						10.49	9.10	10.14	7.99	8.99		
29						10.53	9.09	10.20	8.07	9.09		
30					10.21	10.52	9.15	10.12	7.89	9.12		
31					10.26		9.33	9.96		9.00		

TABLE 52
OBSERVATION WELL DATA
SEVERN RIVER BASIN
1973

Observation Well No:	47-05-001 R
Location:	Muskrat Dam Lake 53° 21'N; 90° 50'W
Elevation:	891.4 Above Sea Level
Aquifer or Geological Material:	Rotary, 2" I.D. casing
Type:	Schist
Depth:	134.2 Feet
Recording Commenced:	July 31, 1970
Measuring Point:	Top of casing 3.0 ft. above Ground Surface

Average Daily Water Level From Ground Surface in Feet

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1				13.39	12.55	10.67	9.09	10.19	9.93		8.89	10.19
2				13.41	12.49	10.63	9.02	10.23	8.93		9.03	10.29
3				13.45	12.42	10.57	9.14	10.28	8.44		9.15	10.17
4				13.35	12.31	10.59	9.24	10.27	8.18	9.55	9.13	10.30
5				13.24	12.16	10.65	9.20	10.29	8.22	9.55	9.13	10.29
6				13.50	11.99	10.76	9.18	10.29	8.31	9.63	9.13	10.20
7				13.53	11.90	10.76	9.26	10.36	8.29	9.71	9.08	10.19
8				13.49	11.81	10.64	9.40	10.42	8.31	9.73	9.15	10.27
9				13.43	11.69	10.72	9.50	10.38	8.22	9.73	9.37	10.20
10				13.36	11.60	10.68	9.52	10.20	8.27	9.76	9.37	10.31
11				13.43	11.57	10.63	9.44	10.06	8.48	9.67	9.22	10.31
12				13.50	11.58	10.67	9.36	10.03	8.62	9.16	9.31	10.51
13				13.42	11.50	10.70	9.51	9.96	8.72	9.02	9.38	10.52
14				13.42	11.28	10.67	9.69	9.88	8.74	9.04	9.49	10.51
15				13.50	11.15	10.64	9.62	9.92	8.79	9.02	9.57	10.54
16				13.46	11.18	10.65	9.55	10.00	8.75	8.99	9.58	10.58
17				13.51	11.04	10.62	9.64	10.03		8.96	9.57	10.62
18			13.29	13.57	11.01	10.65	9.79	10.05		8.93	9.59	10.57
19			13.31	13.54	11.03	10.62	9.85	10.04		8.90	9.70	10.61
20			13.30	13.46	10.94	10.62	9.83	10.19		8.84	9.73	10.62
21			13.27	13.19	10.84	10.54	9.84	10.24		8.78	9.50	10.51
22			13.27	13.05	10.77	10.32	9.91	10.17		8.77	9.53	10.67
23			13.34	13.01	10.74	10.24	9.96	10.26		8.82	9.80	10.84
24			13.31	12.87	10.68	10.21	9.92	10.25		8.66	9.88	10.78
25			13.34	12.75	10.62	10.21	9.93	10.25		8.68	9.81	10.78
26			13.30	12.66	10.61	10.21	9.96	10.30		8.86	9.88	10.81
27			13.26	12.57	10.61	10.08	9.98	10.41		8.87	9.88	10.69
28			13.40	12.53	10.59	9.47	10.01	10.37		8.83	10.01	10.84
29			13.45	12.53	10.54	9.14	10.08	10.49		8.70	10.03	10.89
30			13.39	12.57	10.56	9.06	10.21	10.59		8.71	10.27	11.26
31			13.40		10.61		10.21	10.45		8.78		11.26

TABLE 53

CHEMICAL ANALYSES OF WATER SAMPLES

ALBANY RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million: Silica (SiO_2)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO_4)	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as $CaCO_3$	Total Hardness as $CaCO_3$	Total Dissolved Solids	Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)
ALBANY BASIN																									
Balkam Creek	50° 10'	86° 40'	Mar10/72			4.7	0.20	35	6	1		10	2			0.040	0.08	0.49	0.5	108					
			May23/72			4.7	0.10	31	5	1		12	1			0.110	0.01	0.48	0.5	93			220	30	10
			Jun13/72	20		3.9	0.05	21	11	1		5	1			0.013	0.01	0.37	0.5	88			225	30	15
			Jul20/72	20		0.6	0.30	32	5	1		13	1			0.026	0.01	0.50	0.5	90			185	20	18
			Aug12/72	20		3.2	0.05	33	4	1		6	1			0.011	0.01	0.39	0.5	90			145	20	3
			Sep22/72			4.6	0.05	34	5	1		7	2			0.012	0.01	1.60	0.5	106					
Kawashakagama River	50° 26'	87° 09'	Mar19/72			5.3	0.15	34	7	1		10	2			0.012	0.08	0.45	0.0	110					
			May18/72	10.5		3.1	0.35	20	3	1		14	1			0.017	0.02	0.55	0.5	57			100	50	8
			Jun14/72			2.4	0.25	26	5	1		5	1			0.020	0.01	0.39	0.5	70				40	7
			Jul20/72	20		3.6	0.20	26	3	1		10	1			0.018	0.01	0.47	0.5	70			145	50	20
			Aug7/72			3.6	0.15	25	3	1		10	1			0.018	0.01	0.38	0.5	70				30	17
			Sep13/72				0.20	27	4	1		5	1			0.017	0.01	0.72	0.5	84				30	10
			Oct14/72			3.9	0.20	26	4	1		7	1			0.014	0.01	0.45	0.5	71					
			Mar18/73			1.0	0.20	30	13	1		5	2			0.010	0.10	0.54	0.5	96					
Pashkologan River	51° 02'	90° 12'	Mar16/72			3.1	0.15	14	4	1		10	2			0.006	0.12	0.39	0.5	60					
			May25/72	22		1.6	0.10	8	1	1		14	1			0.010	0.03	0.53	0.5	21			65	30	10
			Jun19/72	18		1.5	0.10	8	1	1		5	2			0.014	0.01	0.43	0.5	22				30	4
			Jul12/72	20		1.5	0.10	9	4	1		5	1			0.014	0.01	0.44	0.5	24			46	30	29
			Aug11/72	18		1.4	0.10	9	1	1		6	1			0.016	0.01	0.51	0.5	24			51	15	3
			Sep13/72	14			0.10	9	2	1		5	1			0.016	0.01	0.46	0.5	60			50	30	10
			Mar18/73			3.0	0.15	11	2	1		5	1			0.008	0.15	0.64	0.5	30					

* indicates analysis performed in the field

** Jackson Turbidity Unit

TABLE 53 (CONTINUED)

CHEMICAL ANALYSES OF WATER SAMPLES

ALBANY RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million: Silica (SiO_2)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO_4)	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as $CaCO_3$	Total Hardness as $CaCO_3$	Total Dissolved Solids	Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)
MINISS LAKE	50° 48'	90° 53'	JUN 12/72	17		3.1	0.10	7	1	1		12	1			0.008	0.07	0.35	0.5	21			480	40	5
COMPOSITE			AUG 14/72	18		4.0	0.25	14	1	1	0.1	7	1			0.011	0.01	0.52	0.5	35			49	30	15
BOTTEM			AUG 14/72	17		3.0	0.05	14	4	1	0.1	5	2			0.005	0.01	0.24	1.0				48	30	15
MINNOW LAKE	50° 11'	86° 41'	AUG 19/72	21		4.0	0.05	26	7	1	0.5	7	1			0.016	0.01	0.42	0.0	99			195	5	5
MUSWABIK RIVER	51° 32'	85° 05'	MAR 13/72			5.5	0.90	27	6	1		12	2			0.017	0.03	0.58	3.0	80					
			MAY 24/72	16		1.8	0.40	12	1	1		15	1			0.017	0.01	1.1	1.5	31			75	125	40
			JUN 17/72	16		2.3	0.85	14	2	1		10	1			0.036	0.01	0.60	1.5	36			77.5	150	30
			JUL 18/72	20		0.6	0.55	20	3	1		11	1			0.025	0.01	0.43	1.0	52			107	100	41
			AUG 18/72	20		2.7	0.45	23	3	1		11	1			0.025	0.01	0.41	1.0	64			130	100	35
			SEP 14/72	14			0.45	26	4	1		7	2			0.026	0.01	0.47	0.5	72			125	70	14
			OCT 21/72			2.4	2.10	22	2	1		18	1			0.044	0.01	0.68	1.0	54					
			MAR 12/73			0.5	0.70	26	6	2		5	2			0.070	0.40	0.85	1.5	78					
MCCREA LAKE	50° 52'	90° 16'	JUN 12/72	19		1.8	0.10	8	1	1		12	1			0.008	0.03	0.46	0.5	21			50	30	5
OPICHUAN RIVER AT KELLOW LAKE	51° 10'	87° 46'	MAR 14/72			3.3	0.60	19	4	1		10	2			0.002	0.05	0.22	0.5	60					
			MAY 25/72			1.6	0.10	18	3	1		5	1			0.008	0.01	0.36	0.5	53					
			JUN 18/72	17		2.7	0.05	18	6	1		5	1			0.011	0.01	0.43	0.5	52			110	20	8
			JUL 11/72	20		2.7	0.05	19	3	1		5	1			0.008	0.01	0.22	0.5	54			110	10	20
			AUG 9/72	18		2.0	0.05	19	2	1		5	1			0.010	0.01	0.27	0.5	54			115	15	3
			SEP 12/72	16		3.3	0.05	18	3	1		5	1			0.010	0.01	0.30	0.5	60			120	15	5
			MAR 16/73			1.1	0.05	19	5	1		5	1			0.005	0.03	0.32	0.5	58					
O.SULLIVAN LAKE	50° 25'	87° 00'	AUG 19/72	21		3.6	0.05	17	15	1		6	1			0.016	0.01	0.38	0.5	72			155	20	3
SHEKAK RIVER AT HWY # 11	49° 45'	84° 24'	MAR 15/72			7.3	0.95	48	10	2		5	4			0.014	0.16	0.73	0.5	155					
			APR 6/72			5.5	0.20	39	10	1		11	2			0.012	0.10	0.56	0.5	133					
			MAY 17/72			2.8	0.25	20	5	1		10	1			0.016	0.01	0.36	0.5	61					
			JUN 8/72			3.0	0.35	29	6	1		11	1			0.013	0.01	0.52	0.5	89					
			JUL 5/72			2.6	0.15	37	4	1		9	2			0.010	0.01	0.43	0.5	104					
			SEP 7/72			4.0	0.20	38	9	1		8	2			0.011	0.01	0.44	0.5	121					
			OCT 21/72			3.7	0.20	16	8	1		5	1			0.009	0.01	0.39	0.5	63					
			FEB 7/73			11.0	0.90	24	9	2		5	4			0.023	0.08	1.40	0.0	91					

* indicates analysis performed in the field

** Jackson Turbidity Unit

TABLE 53 (CONTINUED)

CHEMICAL ANALYSES OF WATER SAMPLES

ALBANY RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million: Silica (SiO_2)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO_4)	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as $CaCO_3$	Total Hardness as $CaCO_3$	Total Dissolved Solids	Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)
ALBANY BASIN																									
ALBANY RIVER AT MININISKA LAKE	51° 32'	88° 30'	MAR 16/72			5.3	0.15	14	3	1		10	1			0.012	0.08	0.45	0.5	41					
			MAY 30/72	17		1.0	0.15	8	1	1		5	1			0.014	0.01	0.69	0.5	21			91	50	2
			JUN 18/72	17		1.9	0.10	15	7	1		6	1			0.017	0.01	0.40	0.5	40			85	40	10
			JUL 11/72	20		2.0	0.10	6	8	1		5	1			0.014	0.01	0.40	0.5	46			95	30	27
			AUG 9/72	17		2.1	0.10	19	2	1		8	1			0.016	0.01	0.51	0.5	48			100	30	5
			SEP 12/72	15			0.15	18	4	1		5	1			0.016		1.3	0.5	56			100	40	10
			MAR 16/73			1.0	0.30	21	4	2		5	1			0.006	0.12	0.40	0.5	69					
ALBANY RIVER AT FORT ALBANY	52° 16'	81° 40'	SEP 30/71			2.5	0.60	20	3	4		5	9			0.014	0.01	0.50	1.0	57					
			OCT 12/71			2.5	0.15	10	3	1		5	1			0.014	0.01	0.35	0.5	31					
			MAR 24/72			3.4	0.15	36	5	2		8	4			0.011	0.12	0.33	0.5	82					
			SEP 12/72					18	4	1	0.4		1						0.5	56					
BOG LAKE	51° 31'	85° 44'	MAR 13/72			1.7	0.35	4	1	1		14	2			0.036	0.08	0.71	2.5	7					
BRIGHT SANDS RVIER	49° 36'	90° 34'	MAY 25/72	20		3.1	0.35	4	1	1		14	1			0.017	0.02	0.55	1.0	13			48	70	15
			JUN 19/72	19		6.4	0.30	5	3	1		5	1			0.013	0.01	0.38	1.5	14				70	23
			JUL 19/72	22		6.4	0.25	5	1	1		5	1			0.019	0.01	0.39	0.5	16			68	60	21
			AUG 11/72	20		6.4	0.30	6	2	1		10	1			0.014	0.01	0.36	1.0	14			50	50	10
			SEP 13/72	17				11	1	1			1			0.016		1.3	1.0	17			50	60	15
			MAR 18/73			6.2	0.40	7	3	1		5	1			0.008	0.05	0.30	0.5	19					
CAT LAKE	51° 45'	91° 50'	SEP 19/72	13		1.7	0.20	7	2	1		5	1			0.014	0.01	0.34	1.0	23			42	40	10
CAT RIVER	51° 11'	91° 35'	SEP 23/70	13		2.2	0.30	8	1			0				0.013	0.01	0.35		24				40	15
KABINAKAGAMI RIVER AT HWY # 11	49° 44'	84° 06'	OCT 1/71			4.0	0.45	23	5	1		5	1			0.018	0.01	0.53	1.0	71					
KENOGAMI RIVER	50° 58'	84° 36'	MAR 12/72			2.9	0.10	32	6	1		10	3			0.010	0.04	0.19	0.5	100					
			MAY 22/72	12		2.3	0.35	19	2	1		15	1			0.022	0.01	0.52	1.0	50			140	100	19
			JUN 17/72	17		2.2	0.15	23	12	1		5	1			0.015	0.01	0.53	1.0	62			132	70	13
			JUL 17/72	19		2.6	0.60	21	3	1		11	1			0.023	0.01	0.60	2.0	56			125	100	35
			AUG 18/72	18		2.8	0.10	28	3	1		5	2			0.008	0.01	0.31	0.5	76			150	50	35
			SEP 14/72	14		3.0	0.25	34	5	1		11	1			0.010	0.01	0.39	1.0	91			160	100	25
			OCT 12/72			2.8	0.35	22	2	1		11	2			0.013	0.01	0.44	1.5	55					
			MAR 10/73			3.4	0.20	25	6	1		5	2			0.030	0.10	0.50	0.5	82					
LORENZ LAKE	51° 54'	85° 18'	AUG 14/71	17		2.0		12	2	1		5	1			0.024	0.01	0.34	2.0	32			62	100	25
LOWER TWIN LAKE	50° 10'	86° 31'	MAR 22/72	18		3.7	0.05	28	5	1		12	1			0.010	0.03	0.35	0.5	89			155	15	15
LUCY LAKE	50° 18'	87° 13'	MAR 13/72			2.9	0.01	38	6	1		10	1			0.010	0.04	0.19	0.0	122					

* indicates analysis performed in the field

** Jackson Turbidity Unit

TABLE 53 (CONTINUED)

CHEMICAL ANALYSES OF WATER SAMPLES

ALBANY RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million: Silica (SiO_2)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO_4)	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as $CaCO_3$	Total Hardness as $CaCO_3$	Total Dissolved Solids	Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)
St. Rapheal Lake	50° 45'	91° 11'	Jun 12/72	18		2.7	0.10	8	1	1		12	1			0.008	0.01	0.31	0.5	21			50	40	10
Composite			Aug 12/72	19		2.5	0.05	8	4	1	0.01	5	2			0.001	0.01	0.38	0.5	25			46	30	15
Bottem			Aug 12/72	15		2.9	0.05	8	3	1	0.01	7	1												
																0.006	0.01	0.27	0.5	25			52	20	15
Wabimeig Lake	51° 28'	85° 35'	Mar 13/72			2.1	0.30	22	4	1		10	2			0.011	0.01	0.73	2.5	45					
Whitestone Lake	51° 57'	91° 58'	Oct 12/71			3.0	0.25	6	5	1		5	1			0.010	0.01	0.50	1.0	14					

* indicates analysis performed in the field

** Jackson Turbidity Unit

CHEMICAL ANALYSES OF WATER SAMPLES

ALBANY RIVER BASIN

MOOSE RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million: Silica (SiO_2)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO_4)	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as $CaCO_3$	Total Hardness as $CaCO_3$	Total Dissolved Solids	Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)
Pagwachuan Lake Tourist Camp	49° 44'	86° 08'	Sep13/72		8.4	4.7	0.10	31	5	1.0	0.1	7	2	0.1		.005	.01			94	98	150	197	10	
Radar Station Water Supply Pond Fort Albany	52° 11'	81° 41'	Jul27/72		8.2	6.0	0.10	54	6	8	1.5	15	3	0.4		0.13	.01			194	182	240	370	5	1.5
Lake Water South of Yellow Creek Fort Albany	52° 11'	81° 42'	Aug 1/72		8.1	4.0	0.25	28	2	4	0.5	4	4			.012	.01			79	80	120	168	30	1.5
River Water of Yellow Creek	52° 11'	81° 42'	Aug 1/72		8.3	3.0	0.15	40	8	11	1.0	9	17	0.2		.067	.08			120	134	200	212	15	3
MOOSE BASIN																									
Moose River near Hudson Bay Store Dock Moosonee	51° 16'	80° 39'	Jun16/72	12.5°C	7.7		0.65	22	11	8	0.8	10	15			1.4	.01			60	100	150	173		10
Creek Water Two Miles West of Moosonee	51° 17'	80° 42'	Jun16/72	7.5°C	7.3		0.55	18	1	4	0.4	10	7			.34	.01			34	48	150	124		8
Creek Water Five Miles West Of Moosonee	51° 19'	80° 51'	Jun16/72	12.5	7.5	1.9	0.70			9	0.9	5	12	0.1		.034	.02			59		150	180	150	6
Creek Water Near Airport Moosonee	51° 16'	80° 39'	Jun16/72		8.2		0.65	28	2				14	0.6		.019	.05			54	80	150	185	125	4

* indicates analysis performed in the field

** Jackson Turbidity Unit

TABLE 54

CHEMICAL ANALYSES OF WATER SAMPLES

MOOSE RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million: Silica (SiO_2)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO_4)	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as $CaCO_3$	Total Hardness as $CaCO_3$	Total Dissolved Solids	Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)
MOOSE BASIN																									
ABITIBI RIVER AT ONAKAWANA RIVER	50° 36'	81° 25'	APR 11/72			9.8	5.00	34	8	4		49	2			0.076	0.25	0.90	0.5	90					
			MAY 26/72			3.6	1.14	19	7	1		14	1			0.039	0.01	0.47	1.0	56					
			JUL 12/73			4.0	0.95	22	2	1		15	2			0.027	0.01	0.60	1.0	57					
			SEP 13/72			5.0	1.60	24	2	2		15	2			0.036	0.01	0.51	1.0	62					
			OCT 27/72			3.6	1.40	17	5	2		5	2			0.026	0.01	0.59	1.0	46					
			JAN 16/73			4.2	3.90	14	4	3		13	2			0.070	0.05	0.75	1.0	41					
BLACK RIVER	48° 33'	80° 27'	JUL 25/73			4.5	0.95	24	4	2		6	2			0.041	0.01	0.46	1.0	75					
BRUNSWICK LAKE	49° 00'	83° 23'	SEP 8/72			3.3	0.25	22	5	1	0.2	7	1			0.021	0.01	0.52	0.5	72				50	15
CAMPBELL LAKE	50° 18'	82° 13'	JUN 9/72	9		0.3	0.35	4	2	1		8	1			0.43	0.01	0.98	1.5	7			22	150	25
			JUL 13/72	23		0.6	0.30	4	1	1		13	1			0.026	0.01	0.50	1.5	10				150	25
			JUL 13/72	23		0.5	0.20					11				0.017	0.01	0.34					50	160	50
			SEP 9/72	15		0.5	0.50	6	1	1	0.1	12	1			0.049	0.01	0.70	1.5	12				110	50
			JUN 11/73			0.1	0.30	4	1	1	1.0	4	1			0.016	0.01	0.52	1.5	9					
DRIFTWOOD RIVER	48° 33'	80° 44'	JUL 24/73			4.5	0.80	26	5	2		6	1			0.060	0.01	0.96	1.0	80					
FREDERICK HOUSE RIVER	48° 50'	81° 00'	JUL 26/73			5.1	1.10	24	4	2		20	2			0.078	0.01	0.85	1.0	63					
GREEN LAKE KETTLE LAKE PROV. PARK	48° 35'	80° 48'	JUL 24/73			0.3	0.05	16	3	1		3	1			0.006	0.01	0.27	0.0	50					
GROUND HOG RIVER AT HWY # 11	49° 21'	82° 03'	SEP 29/71			3.7	1.00	19	3	1		5	1			0.096	0.01	0.76	2.0	53					
			JUL 26/73			3.8	0.15	14	2	1		7	1			0.019	0.01	0.38	0.5	39					
IVANHOE LAKE	48° 12'	82° 30'	JUL 26/73			3.2	0.05	18	3	1		6	2			0.018	0.01	0.45	0.5	54					
KAPUSKASING RIVER AT KAPUSKASING	49° 25'	82° 26'	FEB 23/72			5.3	0.45	30	8	4		23	5			0.080	0.01	0.68	10	74					
			MAR 28/72			6.5	0.80	52	16	12			20			1.900	0.01	1.80	6.5	58					
			JUN 8/72			3.2	0.55	18	3	1		14	1			0.023	0.01	0.56	2.5	44					
			JUN 26/72			3.5	0.45	18	5	1		14	2			0.024	0.01	0.85	4.5	48					
			JUL 26/72			3.7	0.50	20	4	1		9	3			0.031	0.01	0.79	3.0	54					
			AUG 28/72			2.8	0.40	22	5	1		12	2			0.029	0.01	0.70	4.0	62					
			SEP 27/72			4.0	0.45	22	5	1		16	3			0.033	0.01	0.58	8.0	57					
			OCT 22/72			4.0	0.40	20	4	1			4			0.018	0.01	0.66		50					
			DEC 12/72			3.4	0.35	27	6	3		26	5			0.066	0.01	0.91	16	53					
KENOGAMISSI LAKE	48° 00'	81° 33'	JUL 24/73			3.3	0.15	12	2	1		8	2			0.077	0.01	0.31	1.0	30					
KESAGAMI LAKE	50° 28'	80° 15'	JUN 9/72	9		1.5	0.50	9	1	1		13	1			0.024	0.01	0.62	1.0	18			45	100	20
			JUL 13/72	19		1.1	0.25	10	2	1		6	1			0.019	0.01	0.44	0.5	28				60	10
			SEPT 9/72	14		1.3	0.25	14	1	1	0.1	7	1			0.022	0.01	0.34	0.5	35			60	60	20

* indicates analysis performed in the field

** Jackson Turbidity Unit

CHEMICAL ANALYSES OF WATER SAMPLES

MOOSE RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million: Silica (SiO_2)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO_4)	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as $CaCO_3$	Total Hardness as $CaCO_3$	Total Dissolved Solids	Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)
MOOSE BASIN CONTINUED...																									
MARQUIS LAKE	49° 54'	80° 10'	JUN 9/72	10		2.7	0.10	13	3	1		13	1			0.012	0.01	0.30	0.5	37			86	50	0
			JUL 13/72	19		3.0	0.10	14	2	1	0.1	6	1			0.009	0.01	0.31	0.5	40				40	0
			SEP 9/72	16		2.8	0.05	11	4	1	0.1	5	1			0.010	0.01	0.25	0.5	43			90	30	10
MATTAGAMI RIVER AT SMOKY FALLS	50° 05'	82° 10'	SEP 9/72	18			0.35	21	5	2	0.3	10	3			0.026	0.01	0.56	3.5	57			125	100	35
MESOMIKENDA LAKE	47° 55'	81° 58'	JUL 23/73			3.9	0.05	12	2	1		9	7			0.005	0.01	0.29	0.5	30					
MINISISINAKWA LAKE	47° 40'	81° 50'	JUL 23/73			3.7	0.20	10	2	1		9	2			0.009	0.01	0.32	1.0	23					
			JUL 24/73			3.5	0.10	10	2	1		9	2			0.009	0.01	0.30	1.0	24					
MISINIBI RIVER AT MATTICE	49° 37'	83° 16'	OCT 1/71			4.0	0.50	22	4	1		5	1			0.014	0.01	0.38	1.5	67					
			FEB 23/72			5.3	0.30	25	5	1		10	2			0.10	0.12	0.42	0.5	74					
			MAR 28/72			5.6	0.35	27	9	1		11	1			0.014	0.12	0.60	0.5	86					
			JUN 8/72			3.3	0.30	18	5	1		12	1			0.012	0.01	0.42	1.0	50					
			JUN 27/72			3.5	0.35	19	6	1		11	1			0.013	0.01	0.49	1.0	61					
			JUL 27/72			2.4	0.50	22	4	1		12	2			0.020	0.01	0.54	1.0	67					
			AUG 29/72			3.6	0.25	23	4	1		10	1			0.010	0.01	0.44	0.5	67					
			SEP 28/72			3.0	0.20	22	4	1		11	1			0.39	0.01	0.66	0.5	66					
			OCT 22/72			4.4	0.30	22	5	1		10	2			0.010	0.01	0.54	1.0	63					
			NOV 28/72			3.4	0.15	16	4	1		5	1			0.002	0.01	0.33	0.5	51					
			DEC 12/72			3.2	0.20	18	6	2		7	2			0.004	0.01	0.36	0.5	59					
MOOSE RIVER AT ABITIBI	51° 05'	80° 56'	SEP 30/71			2.3	0.80	19	3	1		5	1			0.020	0.01	0.38	2.0	53					
			MAR 24/72			5.8	1.10	30	6	4		21	5			0.028	0.04	0.40	3.0	83					
MOOSE RIVER AT MOOSE RIVER	50° 49'	81° 18'	MAR 15/72			5.4	0.35	26	8	2		16	4			0.015	0.01	0.41	2.5	70					
			APR 12/72			5.9	0.35	26	6	3		15	4			0.018	0.01	0.50	2.5	74					
			MAY 24/72			3.8	0.24	27	4	1		23	1			0.091	0.01	0.45	1.0	70					
			JUL 11/72			2.9	0.50	22	4	1		13	3			0.018	0.01	0.43	1.5	58					
			SEP 13/72			1.8	0.40	26	4	2		13	4			0.018	0.01	0.49	2.0	71					
			OCT 27/72			3.2	1.00	22	3	3		12	4			0.022	0.01	0.48	1.5	52					
			JAN 16/73			5.0	0.90	28	3	6		13	9			0.051	0.01	0.49	2.0	72					
NEMEGOSENDA RIVER	47° 04'	83° 04'	JUL 26/73			6.5	0.25	26	4	1		5	1			0.013	0.01	0.30	0.5	77					
OPISHING LAKE	48° 15'	81° 49'	JUL 20/73			3.8	0.10	12	2	1		7	3			0.009	0.01	0.36	1.0	32					
OPASTIKA RIVER	49° 05'	83° 05'	MAR 24/72			2.7	0.30	30	5	1		11	2			0.025	0.04	0.52	0.5	90					

* indicates analysis performed in the field

** Jackson Turbidity Unit

CHEMICAL ANALYSES OF WATER SAMPLES

MOOSE RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million: Silica (SiO_2)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO_4)	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as $CaCO_3$	Total Hardness as $CaCO_3$	Total Dissolved Solids	Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)
MOOSE BASIN CONTINUED.																									
PIERRE LAKE COMPOSITE	49° 31'	80° 44'	MAR 24/72			3.3	0.15	34	6	5		7	1			0.009	0.01	0.52	1.0	100					
BOTTEM			MAR 24/72			3.1	0.15	18	2	1		14	2			0.012	0.02	0.32	1.0	42					
			SEP 9/72	17°			0.20					7				0.015	0.01	0.34					95	60	20
REMI LAKE	49° 25'	82° 10'	MAR 24/72			6.2	0.05	30	7	1		18	3			0.028	0.02	0.59	0.0	95					
SAGARASH LAKE	49° 04'	82° 35'	MAR 24/72			2.7	0.10	30	6	1		10	2			0.011	0.04	0.36	0.5	95					
			SEP 10/72	16			0.20	25	4	6		7	1			0.063		0.59	0.5	80			170	15	15
SHANNON LAKE	49° 47'	83° 23'	SEP 10/72	15		0.6	0.05	24	4	1		5	1			0.018	0.01	0.50	0.0	76			150	0	5
SIDE BURNED LAKE	47° 48'	83° 38'	JUL 27/73			1.3	0.10	11	2	1		5	1			0.013	0.01	0.31	0.5	32					
SLAB LAKE	48° 35'	80° 52'	JUL 24/73			0.1	0.05	2	1	1		4	2			0.001	0.01	0.28	0.0	5					
STRINGER LAKE	50° 11'	80° 53'	JUN 9/72	10		1.9	0.40	12	1	1		15	2			0.017	0.01	0.37	1.5	28			64	125	15
			JUL 13/72	21		1.9	0.30	14	6	1		11	1			0.021	0.01	0.50	0.5	36				125	15
			JUL 13/72			1.5	0.20					10				0.010	0.01	0.31							
			SEP 9/72	14		1.3	0.30	18	2	1	0.1	7	2			0.019	0.01	0.32	1.0	51			104	150	30
			JUN 11/73			1.1	0.30	10	2	1	1.0	6	1			0.012	0.01	0.35	1.5	31					
TATAGHIKAPIKA RIVER	48° 19'	81° 35'	JUL 24/73			3.7	0.20	15	2	1		7	1			0.007	0.01	0.35	1.0	41					

* indicates analysis performed in the field

** Jackson Turbidity Unit

TABLE 54 (CONTINUED)

CHEMICAL ANALYSES OF WATER SAMPLES

MOOSE RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million: Silica (SiO_2)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO_4)	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as $CaCO_3$	Total Hardness as $CaCO_3$	Total Dissolved Solids	Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)
42001 Observation well Site #1 at end of O.N.R. Main Line 200 ft. from Creek (Moosonee)	51° 17'	80° 36'	Jun17/72	9.0	7.7	9.6	0.20	116	122	1280	45	142	2310	0.6		0.016	0.01			278	800	4610	8258		6
42002 Observation Well Site #3 200 ft. outside of National Defence Base on Base Road (Moosonee)	51° 17'	80° 36'	Jun29/72	6.0	7.5		1.7	250	42	1205	38	160	2010			0.034	0.01			2.58	800	4530	6726		25
42003 Observation Well Site #2 East end of town, 200 ft. from Moose River on Airport Rd. (Moosonee)	51° 17'	80° 36'	Jun24/72	6.0	7.3	10.0	0.90	124	116	1150	46	166	2040	0.6		0.055	0.01			242	790	4200	7535		12
42004 Abundant Well flowing on beach of Moose River near Hudson Bay Co. Dock (Moosonee)	51° 17'	80° 37'	Jun16/72	3.9	7.2	8.9	0.75	124	130	1190	41	207	2140	0.8		0.10	1.1			256	850	4430	7897		8.9
42005 Observation Well Site #4 on grounds of M.O.E. Pollution Control Plant (Moosonee)	51° 16'	80° 39'	Jul30/72		7.6	9.0	0.90	132	119	1080	42	175	2230	0.7		0.015	.01			275	820	4700	6700		8.0
42006 Dug well, Tide Water Provincial Park (Moosonee)	51° 16'	80° 37'	Aug22/72		8.7	8.3	0.10	83	3			13	4			0.11	0.01			209	222	300	411		3.0
42007 Spring water near dock Moose Factory	51° 15'	80° 36'	Jul22/72		8.1	19.5	0.15	188	31	20	3.3	81	42	0.5		0.11	0.19			484	596	710	1070		3.0
42008 Drilled hole #1, 62 ft. deep 500 Ft. from Lignite Pit (Onakawana)	50° 36'	81° 17'	Aug11/72		7.8	13.0	1.8	31	10	181	4.1	12	29		0.36	0.20	0.03		1.0	453	116	560	806		70
42009 Drilled Hole 30 Ft. 500 Ft. from Lignite Pit (Onakawana)	50° 36'	81° 17'	Aug11/72		7.5	8.5	2.2	37	19	95	4.4	9	11		0.22	0.40	0.01		1.0	376	172	440	617		50
42010 Muskeg Water near drill hole #1-1 (Onakawana)	50° 36'	81° 17'	Aug11/72		7.0	3.0	0.05	61	13	3	0.6	10	1		0.02	0.080	0.02		1.0	188	200	240	339		40

* indicates analysis performed in the field

** Jackson Turbidity Unit

CHEMICAL ANALYSES OF WATER SAMPLES

MOOSE RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million																	Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)
						Silica (SiO_2)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO_4)	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as $CaCO_3$	Total Hardness as $CaCO_3$	Total Dissolved Solids			
42011 LIGNITE PIT #1 WATER NEAR ABITIBI RIVER (ONAKAWANA)	50° 36'	81° 17'	Aug9/72		8.2		0.10	56	16	32	3.0	82	17			0.005	0.01		0	178	208	330	572		4
42012 LIGNITE PIT # WATER, 500 FT. FROM ABITIBI RIVER (ONAKAWANA)	50° 36'	81° 17'	Aug9/72		7.9		0.25	54	25	115	6.7	113	86			0.013	0.03		0	276	240	590	969		4
42013 WATER WELL #1 SAMPLE AT ONAKAWANA LIGNITE SITE	50° 36'	81° 17'	Aug13/72		7.3		0.35	101	30	38	2.5	62	55			0.008	0.01		0.05	295	376	520	853		10
42014 DUG WELL AT ONAKAWANA PROJECT CAMP SITE	50° 36'	81° 17'	Aug13/72		7.1		7.6	109	23	3	0.3	34	2			0.005	0.01		0	348	368	380	643		12
42016 WATER SUPPLY WELL #2 ONAKAWANA PROJECT CAMP	50° 36'	81° 17'	Aug14/72		7.6	6.0	0.15	54	18	15	1.9	22	UNSTABLE		0.13	0.014	0.01		0.5	201	208	280	450		80
42017 SHALLOW WELL WATER (ONAKAWANA)	50° 36'	81° 17'	Aug17/72		7.6	30.0	1.9	22	5	16	1.8	8	4			0.001	0.01			405	376	480	687		15

* indicates analysis performed in the field

** Jackson Turbidity Unit

TABLE 55

CHEMICAL ANALYSES OF WATER SAMPLES

ATTAWAPISKAT RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million: Silica (SiO_2)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO_4)	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as $CaCO_3$	Total Hardness as $CaCO_3$	Total Dissolved Solids	Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)
ATTAWAPISKAT BASIN																									
ATTAWAPISKAT RIVER AT ATTAWAPISKAT	52° 58'	82° 25'	SEP 30/71			2.3	0.80	22	3	5		5	11			0.020	0.01	0.38	1.0	67				40	20
ATTAWAPISKAT LAKE	52° 15'	87° 55'	MAR 19/72			5.0	0.25	-	-	1		10	1			0.033	0.06	0.33	1.0	62					
ATTAWAPISIKAT RIVER AT MUKETEI RIVER	53° 06'	85° 05'	MAR 24/72			4.3	0.35	34	.6	5		10	10			0.012	0.12	0.40	1.0	100					
			APR 8/72			5.0	0.40	28	5	1		11	2			0.008	0.08	0.69	0.5	83					
			JUN 6/72			2.6	0.25	12	3	1		10	1			0.011	0.01	0.38	0.5	43					
			JULY 7/72			1.8	0.25	19	2	1		9	2			0.011	0.01	0.72	0.5	58					
			SEPT 8/72				0.25	22	5	4	0.5	7	7			0.012		0.34	0.5	67					
			SEP 11/72			2.1	0.60	21	2	1		10	2			0.014	0.01	0.49	1.0	58					
BOW LAKE	51° 37'	90° 15'	OCT 12/71			2.8	0.25	13	2	1		5	1			0.015	0.01	0.42	1.0	38					
			MAR 17/72			3.7	0.40	14	2	1		10	1			0.010	0.12	0.45	1.0	41					
MENAKO LAKE	52° 03'	90° 08'	AUG 5/71	20		3.2	0.20	32	5	1		5	2			0.012	0.01	0.38	0.0	164			63		
MISSISA LAKE COMPOSITE	52° 20'	85° 05'	JUNE 6/72	8		0.4	0.75	16	2	1		14	1			0.037	0.01	0.80	0.5	42				40	20
			JUNE 6/72			0.5	0.80	19	2	1		13	1			0.038	0.01	0.74	0.5	54					
			JUL 18/72	22		0.3	0.80	17	3	1	0.01	11	1			0.063	0.01	1.10	0.5	54				30	45
			JUL 18/72			1.7	0.02	26	3	1	0.01	6	1			0.016	0.01	0.42	0.5	80					
OTOSKWIN RIVER BELOW BADESDAWA LAKE	51° 49'	89° 36'	APR 14/72			2.6	0.40	22	5	1		5	1			0.016	0.19	0.93	0.5	60					
			MAY 27/72			1.2	0.25	12	1	1		5	1			0.016	0.01	0.93	0.5	31					
			JULY 8/72			2.0	0.20	14	2	1		5	1			0.015	0.01	0.50	1.0	40					
			AUG 12/72			3.1	0.25	18	2	1		8	1			0.020	0.01	0.42	0.5	50					
PINEIMUTA RIVER AT PINEIMUTA LAKE	52° 18'	88° 45'	APR 17/72			4.1	0.40	56	9	1		5	1			0.045	0.06	1.50	0	174					
			MAY 25/72			2.3	0.25	14	1	1		15	1			0.013	0.01	0.49	0.5	38					
			JULY 6/72			1.5	0.25	20	3	1	0.4	5	1			0.018	0.01	0.48	0.5	63					

* indicates analysis performed in the field

** Jackson Turbidity Unit

TABLE 56

CHEMICAL ANALYSES OF WATER SAMPLES

SEVERN RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million: Silica (SiO_2)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO_4)	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as $CaCO_3$	Total Hardness as $CaCO_3$	Total Dissolved Solids	Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)
SEVERN BASIN																									
Agusk Lake	54° 38'	89° 30'	Sep 22/72	5		0.6	0.30	13	2	1	0.1	5	1			0.027	0.01	0.52	0.5	44			80		
Big Trout Lake	53° 45'	90° 00'	Mar 17/72			0.7	0.02			1		5	1			0.008	0.01	0.28	0.5	52					
			Sep 25/72	5		0.8	0.05	68	24	12	0.4	5	2			0.014	0.01	0.29	0.5	298			110		
Cellist Lake	52° 39'	93° 11'	Jun 14/73					9		1	1.0		1			0.028	0.01	0.54	1.5	29					
Deer Lake Composite	52° 42'	94° 30'	Aug 7/71	20		0.4	0.10	4	1	1		5	1			0.006	0.01	0.28	0.5	12			30		
Bottem			Aug 7/71	12		1.3	0.02	4	1	1		5	1			0.010	0.04	0.32	0.5	12			32		
Dog Lake	54° 35'	89° 36'	Aug 11/70	22	8.2	0.5	0.15	14	1	1		5	2			0.015	0.01	0.34	0.2	40	42		70	20	10
Flanagan River	52° 49'	93° 27'	Mar 17/72			4.0	0.70	14	4	1		12	1			0.025	0.04	0.39	1.0	39					
			May 29/72	14		3.4	0.85	9	1	1		15	1			0.028	0.01	1.2	1.0	25			53	85	20
			Jun 20/72	16		4.2	1.7	11	2	1		10	1			0.057	0.01	0.54	1.0	32				175	57
			Jul 13/72	19		4.3	2.7	12	2	1		10	1			0.063	0.01	0.57	1.0	36			74	150	65
			Aug 10/72	16		2.1	2.5	14	2	1		10	1			0.074	0.01	0.64	0.5	38			82	125	43
			Sep 19/72			1.7	0.20	14	5	1		5	2			0.014	0.01	0.34	0.5	47					
			Mar 17/73			1.0	0.45	12	3	1		5	1			0.016	0.03	0.34	0.5	37	40		80	20	10
Friessen Lake (Harvey Lake)	55° 38'	88° 21'	Aug 3/70	14		0.7	0.25	8	3			5				0.020	0.01	0.50							
Hewitt Lake	52° 23'	92° 55'	Jun 14/73					11		1	1.0		1			0.013	0.01	0.44	1.0	36					
J. E. N. Lake	55° 13'	87° 50'	Aug 9/71	12		0.7	0.20	12	1	2		5	2			0.010	0.01	0.38	1.0	32			75		
Margot Lake	52° 32'	93° 15'	Jun 14/73					8		1	1.0		1			0.027	0.01	0.54	1.0	25					
Mechita Lake	52° 39'	93° 24'	Jun 14/73					6		1	1.0		1			0.019	0.01	0.58	1.0	17					
Nikip Lake	52° 55'	81° 56'	Aug 7/71	22		1.7	0.25	13	2	1		5	1			0.012	0.01	0.35	0.1	38			77		
North Caribou Lake Composite	52° 45'	90° 30'	Aug 5/71	17		1.3	0.10	10	1	1		5	1			0.009	0.01	0.31	0.1	32			60		
Bottem			Aug 5/71	17		1.3	0.45	10	1	1		5	7			0.027	0.01	0.38	1.0	30			60		
North Spirit Lake	52° 36'	93° 00'	Mar 16/72			3.0	0.15	11		1		5	1			0.012	0.04	0.35	1.0	28					
Otter Lake	54° 11'	88° 55'	Aug 11/70	23	8.0	0.5	0.30	10	1			5				0.030	0.01	0.75			26		47	30	12
Pakwan Lake	52° 32'	93° 08'	Jun 14/73					8		1	1.0		2			0.019	0.01	0.42	1.0	27					
Sachigo Lake	53° 50'	92 00'	Sep 5/70	14	8.0	3.5	0.85	5	2	1		8	2			0.035	0.01	0.42	0.6	28	66		115	70	30
			Aug 7/71	19		3.0	0.70	18	3	1		7	1			0.034	0.01	0.46	0.5	54			107		
Sachigo River at Blackbear River	54° 59'	89° 38'	Sep 22/72			3.1	1.7	14	3	1	0.3	15	1			0.049	0.01	0.42	0.5	47					
Sandy Lake	53° 00'	93° 00'	Mar 16/72			4.3	1.9	15	4	1		14	1			0.045	0.02	0.47	0.5	48					
			Sep 20/72	10		1.4	3.4	14	3	1	1.1	18	3			0.069	0.01	0.44	0.5	44			9		
Sayer Lake	55° 00'	87° 45'	Aug 11/70	22	8.1	0.2	0.10	10	1			5				0.006	0.01	0.18			42		55	30	10

* indicates analysis performed in the field

** Jackson Turbidity Unit

TABLE 56 (CONTINUED)

CHEMICAL ANALYSES OF WATER SAMPLES

SEVERN RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million: Silica (SiO_2)	Iron (Fe)	Calcium (Ca)	Magnesium* (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO_4)	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as $CaCO_3$	Total Hardness as $CaCO_3$	Total Dissolved Solids	Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)
SCHADE RIVER	53° 33'	91° 09'	MAR 18/72			6.1	0.45	23	3	1		12	2			0.020	0.16	0.69	0.5	64					
			JUL 13/72	19		2.0	0.45	11	2	1		10	1			0.028	0.01	0.53	0.5	34			66	50	38
SEVERN RIVER AT BEAVER RIVER	55° 59'	87° 52'	MAR 19/72			3.8	0.70	30	5	3		11	5			0.026	0.12	0.39	0.5	91					
SEVERN RIVER AT LIMESTONE RIVER	55° 22'	88° 19'	JUN 2/72			2.1	0.85	22	2	1		12	2			0.023	0.01	0.49	0.5	59					
			JUL 21/72			2.8	0.80	25	3	1		11	3			0.027	0.01	0.46	0.5	68					
SEVERN LAKE	53° 51'	90° 52'	SEP 29/72			3.2	1.8	12	5	1	0.4	13	1			0.051	0.02	0.42	0.5	48					
SETTING NET LAKE	52° 46'	93° 37'	JUN 14/73					6		1	1.0		1			0.023	0.01	0.50	1.0	23					

* indicates analysis performed in the field

** Jackson Turbidity Unit

TABLE 57

CHEMICAL ANALYSES OF WATER SAMPLES

EKWAN RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million																	Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)
						Silica (SiO_2)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO_4)	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as $CaCO_3$	Total Hardness as $CaCO_3$	Total Dissolved Solids			
EKWAN BASIN																									
Brant River	55° 05'	82° 32'	Sept 8/72	10			0.25	28	5	29	1.2	5	44			0.017	0.01	0.50	1.0	90				70	10
Boulanger Lake	54° 40'	83° 15'	Sept 8/72	12		0.6	0.35	25	4	6	0.4	7	8			0.054	0.01	2.30	0.5	80			165	10	15
Ekwan River	53° 40'	84° 10'	Sept 8/72	13			0.60	20	3	5	0.2	6	9			0.017	0.01	0.72	1.5	60			130	125	20
			Jun 12/72					13		2	1.0		2			0.023	0.01	0.39	1.0	36					
Nowashe Lake	53° 45'	83° 10'	Sep 8/72	12		0.8	0.95	20	3	4	0.5	7	5			0.063	0.01	1.50	0.5	65			135	10	25
Sutton Lake	54° 30'	84° 45'	Jun 6/73					27	1	4			5			0.002	0.01	0.24	0.5	87					

* indicates analysis performed in the field

** Jackson Turbidity Unit

TABLE 58

CHEMICAL ANALYSES OF WATER SAMPLES

WINISKA RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million: Silica (SiO_2)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO_4)	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as $CaCO_3$	Total Hardness as $CaCO_3$	Total Dissolved Solids	Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)
WINISK BASIN																									
Asheweig River at Straight Lake	53° 43'	87° 57'	Apr 10/72			3.6	0.15	25	3	1		14	1			0.009	0.09	0.61	0.5	69					
			Jun 2/72			2.6	0.15	19	3	1		4	2			0.014	0.06	0.38	0.5	53					
			Jul 22/72			1.3	0.10	17	2	1		6	2			0.016	0.01	0.38	0.5	43					
Ghost Lake	54° 38'	87° 30'	Sep 24/72			2.1	0.85	23	4	1	0.10	7	1			0.026	0.01	0.41	1.0	70				60	25
Horseshoe Lake	52° 20'	90° 44'	Mar 17/72			5.4	0.35	16	3	1		10	1			0.010	0.12	0.44	1.0	48					
			Sep 19/72	9		2.8	0.20	11	3	1	0.1	5	1			0.017	0.01	0.37	1.0	35			70		
Hudson Bay Lake	55° 52'	86° 49'	Aug 11/71	10		0.2	0.40	38	19	123		5	237			0.033	0.01	0.62	0.0	108			1000	30	20
I. E.O. Lake	55° 20'	86° 36'	Jun 12/73	19				6	1	1			2			0.006	0.01	0.29	0.5	19			60	10	5
Kashbonica Lake	53° 35'	88° 30'	Mar 19/72			4.2	0.40			1		10	1			0.006	0.14	0.53	0.5	44					
Pipestone River at Karl Lake	52° 34'	90° 14'	Apr 17/72			2.5	0.40	24	3	1		5	1			0.013	0.15	1.20	0.5	69					
			May 25/72			1.2	0.25	10	2	1		5	1			0.013	0.02	0.58	1.0	27					
			Jul 16/72			2.7	0.20	14	1	1		5	1			0.011	0.01	0.46	0.5	37					
Shamattawa Lake	54° 25'	85° 40'	Aug 12/71	16		2.0	0.60	18	2	17		5	3			0.008	0.01	0.45	0.5	50					
Shell Lake	55° 15'	87° 20'	Sep 24/72	9		2.0	0.10	26	4	1	0.1	5	2			0.012	0.01	0.25	0.5	84			150	15	10
Winisk River below Asheweig River	54° 31'	87° 14'	Apr 10/72			1.9	0.35	27	3	1		5	2			0.017	0.09	1.30	0.5	72					
			Jun 2/72			1.9	0.30	17	2	1		8	1			0.016	0.02	0.36	0.5	49					
			Jul 21/72			1.9	0.30	19	2	1		8	1			0.013	0.01	0.39	0.5	53					
Winisk River at Pikwakwud Creek	54° 43'	87° 17'	Mar 19/72			2.9	0.25	24	5	1		14	2			0.029	0.10	0.35	0.5	70					
			Sep 24/72			2.0	0.40	14	3	1	0.1	5	2			0.018	0.01	0.45	1.0	43				70	10
Winisk River at Winisk	55° 28'	85° 10'	Oct 13/71			1.9	0.40	17	2	1		10	2			0.018	0.01	0.52	0.5	50					
Winisk Lake	52° 55'	87° 25'	Aug 12/71	17		2.8	0.10	15	2	1		5	1			0.014	0.01	0.30	0.5	46			70		
Wunnumin Lake	52° 55'	89° 15'	Mar 19/72			2.1	0.10			1		10	1			0.017	0.02	0.31	1.0	84					

* indicates analysis performed in the field

** Jackson Turbidity Unit

PHYTOPLANKTON TABLES

TABLE 59
PHYTOPLANKTON

ALBANY RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6
BLUE GREEN	Anabaena		17		9	121	
	Aphanizomenon			13	189	582	P
	Aphanocapsa						
	Aphanothece	27	56		227	57	
	Chroococcus	2	1		77	8	P
	Coelosphaerium						
	Dactylococcopsis						
	Gloeocapsa						
	Gloeothece						
	Gomphosphaeria		31		132	38	1
	Lyngbya		14	P	5		1
	Marssoniella						
	Merismopedia		1			4	
	Microcystis						
	Nostoc						
	Oscillatoria	8		4	23	25	8
	Pelodictyon						
	Pelogloea						
	Phormidium						
	Plectonema						
	Rhabdoderma				P		
	Spirulina						
	Tetrapedia						
	Unidentified						

Column Number	Name	Latitude North	Longitude West	Date
1	Bog Lake	51° 31'	85° 44'	Mar 13/72
2	Cat Lake	51° 45'	91° 50'	Sept 19/72
3	Keezhik Lake	51° 45'	88° 30'	Mar 10/71
4	Keezhik Lake	51° 45'	88° 30'	Aug 5/71
5	Lorenz Lake	51° 54'	85° 18'	Aug 14/71
6	Lower Twin Lake	50° 10'	86° 31'	Mar 22/72

Units are given in Areal Standard Units per millilitre
P= Present

TABLE 59 (Con't)
PHYTOPLANKTON

ALBANY RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
DIATOMS	Achnanthes											
	Amphiprora							1	Bog Lake	51° 31'	85° 44'	Mar 13/72
	Amphora											
	Asterionella		11			30						
	Attheya							2	Cat Lake	51° 45'	91° 50'	Sept 19/72
	Ceratoneis											
	Cyclotella	P	21	P	26	30						
	Cymatopleura							3	Keezhik Lake	51° 45'	88° 30'	Mar 10/71
	Cymbella											
	Diatoma											
	Diploneis							4	Keezhik Lake	51° 45'	88° 30'	Aug 5/71
	Epithemia											
	Eunotia											
	Fragilaria							5	Lorenz Lake	51° 54'	85° 18'	Aug 14/71
	Gomphonema											
	Gyrosigma											
	Melosira		63		126	32		6	Lower TwinLake	50° 10'	86° 31'	Mar 22/72
	Navicula											
	Nitzschia	P	2		21	7						
	Pinnularia											
	Rhizosolenia		3									
	Stauroneis											
	Surirella											
	Stephanodiscus						P					
	Synedra		6	1	37	29	P					
	Tabellaria		541			280						

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 59 (Con't)
PHYTOPLANKTON

ALBANY RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6
FLAGELLATES	Carteria						
	Ceratiam						
	Chlamydomonas		1	2	27	5	P
	Chlorogonium						
	Cryptomonas	3	24	12	7	11	7
	Dinobryon		7		1	42	1
	Euglena						
	Gonium						
	Gymnodinium						
	Gyromitus						
	Katablepharis						P
	Lepocinclis						
	Mallomonas		2			7	
	Ochromonas			P			
	Pedinomonas						
	Peridinium					4	2
	Phacotus						
	Phacus						
	Polytoma						
	Rhodomonas		17	3		87	2
	Salpingeoca						
	Synura						
	Trachelomonas						
	Unidentified					4	
	Unidentified Chrysomonads	9	16				1
	Unidentified Chrysophytes						

Column Number	Name	Latitude North	Longitude West	Date
1	Bog Lake	51° 31'	85° 44'	Mar 13/72
2	Cat Lake	51° 45'	91° 50'	Sept 19/72
3	Keezhik Lake	51° 45'	88° 30'	Mar 10/71
4	Keezhik Lake	51° 45'	88° 30'	Aug 5/71
5	Lorenz Lake	51° 54'	85° 18'	Aug 14/71
6	Lower Twin Lake	50° 10'	86° 31'	Mar 22/72

Units are given in Areal Standard Units per millilitre

TABLE 59 (Con't)
PHYTOPLANKTON

ALBANY RIVER BASIN

Group	Genus	Column Number						Column Number	Name	Latitude North	Longitude West	Date
		1	2	3	4	5	6					
GREEN	Actinastrum							1	Bog Lake	51° 31'	85° 44'	Mar 13/72
	Ankistrodesmus		6	1	12	6	1					
	Arthrodesmus											
	Bitrichia		1					2	Cat Lake	51° 45'	91° 50'	Sept 19/72
	Botryococcus	2										
	Characium											
	Closterium							3	Keezhik Lake	51° 45'	88° 30'	Mar 10/71
	Coelastrum	P				1	P					
	Cosmarium											
	Crucigenia		2					4	Keezhik Lake	51° 45'	88° 30'	Aug 5/71
	Desmidium											
	Dictyosphaerium											
	Elakatothrix							5	Lorenz Lake	51° 54'	85° 18'	Aug 14/71
	Eugstrum											
	Franceia											
	Gloeocystis							6	Lower Twin Lake	50° 10'	86° 31'	Mar 22/72
	Golenkinia											
	Kirchneriella											
	Lagerheimia			P	5							
	Micractinium											
	Mougeotia											
	Nephrocytium											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 59 (Con't)
PHYTOPLANKTON

ALBANY RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
GREEN	Oedogonium				4			1	Bog Lake	51° 31'	85° 44'	Mar 13/72
	Oocystis	P	5		25	6						
	Ophiocytium											
	Pediastrum				2			2	Cat Lake	51° 45'	91° 50'	Sept 19/72
	Quadrigula											
	Scenedesmus	P	3		11							
	Schroederia							3	Keezhik Lake	51° 45'	88° 30'	Mar 10/71
	Selenastrum			P								
	Sphaerocystis		8									
	Spondylosium							4	Keezhik Lake	54° 45'	88° 30'	Aug 5/71
	Staurastrum											
	Tetraëdron				2							
	Tetrastrum							5	Lorenz Lake	51° 54'	85° 18'	Aug 14/71
	Treubaria											
	Ulotrhix											
	Unidentified		2		40			6	Lower Twin Lake	50° 10'	86° 31'	Mar 22/72

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 60
PHYTOPLANKTON

ALBANY RIVER BASIN

Group	Genus	Column Number						Column Number	Name	Latitude North	Longitude West	Date
		1	2	3	4	5	6					
BLUE GREEN	Anabaena						5					
	Aphanizomenon					22	1	1	Lucy Lake	50° 18'	87° 43'	Mar 13/72
	Aphanocapsa											
	Aphanothece		107	224	44	503	1122					
	Chroococcus	P	6	11	88	13	15	2	M^{C}Crea Lake	50° 52'	90° 10'	Jun 12/72
	Coelosphaerium											
	Dactylococcopsis											
	Gloeocapsa							3	Minis Lake	50° 48'	90° 53'	Aug 14/72
	Gloeothece											
	Gomphosphaeria		5	8	3	32	72					
	Lyngbya	3	29			3		4	Minis Lake	50° 48'	90° 53'	June 12/72
	Marssoniella											
	Merismopedia		3		6		3					
	Microcystis					31		5	Minnow Lake	50° 11'	86° 46'	Aug 19/72
	Nostoc											
	Oscillatoria	16	11			3150	3					
	Pelodictyon							6	St. Rapheal Lake	50° 45'	91° 11'	Aug 11/72
	Pelogloea											
	Phormidium											
	Plectonema											
	Rhabdoderma											
	Spirulina											
	Tetrapedia											
	Unidentified											

Units are given in Areal Standard Units per millilitre
P: Present

TABLE 60 (Con't)
PHYTOPLANKTON

ALBANY RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6
DIATOMS	Achnanthes			1	1		P
	Amphiprora						
	Amphora						
	Asterionella		7	4			
	Attheya						
	Ceratoneis						
	Cyclotella	1	20	174	24	23	4
	Cymatopleura						
	Cymbella					5	
	Diatoma						
	Diploneis						
	Epithemia		2				1
	Eunotia						
	Fragilaria					10	1
	Gomphonema						
	Gyrosigma						
	Melosira		6	11	4		4
	Navicula			9	1		
	Nitzschia		3	3			
	Pinnularia						
	Rhizosolenia	1	8	6		5	27
	Stauroneis						
	Surirella						
	Stephanodiscus						1
	Synedra	4	15	1	6	35	10
	Tabellaria			42	11		5

Column Number	Name	Latitude North	Longitude West	Date
1	Lucy Lake	50° 18'	87° 13'	Mar 13/72
2	M^{c}Crea Lake	50° 52'	90° 10'	June 12/72
3	Minis Lake	50° 48'	90° 53'	Aug 14/72
4	Minis Lake	50° 48'	90° 53'	June 12/72
5	Monnow Lake	50° 11'	86° 46'	Aug 19/72
6	St. Rapheal Lake	50° 45'	91° 11'	Aug 11/72

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 60 (Con't)
PHYTOPLANKTON

ALBANY RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
FLAGELLATES	Carteria											
	Ceratiam							1	Lucy Lake	50° 18'	87° 13'	Mar 13/72
	Chlamydomonas	P	2	2	3		6					
	Chlorogonium											
	Cryptomonas		5	27	11	14	19	2	M^{c}Crea Lake	50° 52'	90° 10'	Jun 12/72
	Dinobryon		58	5	20	25	17					
	Euglena							3	Minis Lake	50° 48'	90° 53'	Aug 14/72
	Gonium											
	Gymnodinium	2										
	Gyromitus							4	Minis Lake	50° 48'	90° 53'	Jun 12/72
	Katablepharis		P	1								
	Lepocinclis	P										
	Mallomonas							5	Minnow Lake	50° 11'	86° 46'	Aug 19/72
	Ochromonas			3	1	1	P					
	Pedinomonas											
	Peridinium	3		5		3	3	6	St. Rapheal Lake	50° 45'	91° 11'	Aug 11/72
	Phacotus											
	Phacus											
	Polytoma											
	Rhodomonas	3	4	9	8	1	16					
	Salpingoeca											
	Synura											
	Trachelomonas											
	Unidentified											
	Unidentified Chrysomonads	1	14	7	25	85	13					
	Unidentified Chrysophytes											

Units are given in Areal Standard Units per millilitre

TABLE 60 (Con't)
PHYTOPLANKTON

ALBANY RIVER BASIN

Group	Genus	Column Number						Column Number	Name	Latitude North	Longitude West	Date
		1	2	3	4	5	6					
GREEN	Actinastrum											
	Ankistrodesmus	2	15	8	5	3	3	1	Lucy Lake	50° 18'	87° 13'	Mar 13/72
	Arthrodesmus						P					
	Bitrichia				3							
	Botryococcus		71				12	2	M^{c}Crea Lake	60° 52'	90° 10'	June 12/72
	Characium											
	Closterium											
	Coelastrum	P	1	1		1		3	Minis Lake	50° 48'	90° 53'	Aug 14/72
	Cosmarium			2			1					
	Crucigenia		3		6	4	3					
	Desmidium							4	Minis Lake	50° 48'	90° 53'	June 12/72
	Dictyosphaerium											
	Elakatothrix		3		1							
	Euastrum							5	Minnow Lake	50° 11'	86° 46'	Aug 19/72
	Franceia											
	Gloeocystis				1		2					
	Golenkinia							6	St. Raphael Lake	50° 45'	91° 11'	Aug 11/72
	Kirchneriella											
	Lagerheimia											
	Micractinium											
	Mougeotia											
	Nephrocytium											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 60 (Con't)
PHYTOPLANKTON

ALBANY RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
GREEN	Oedogonium							1	Lucy Lake	50° 18'	87° 13'	Mar 13/72
	Oocystis	P	2	7	3	2	1					
	Ophiocytium											
	Pediastrum			2				2	M^{c}Crea Lake	50° 52'	90° 10'	June 12/72
	Quadrigula			25			2					
	Scenedesmus			4	4	3	3					
	Schroederia							3	Minis Lake	50° 48'	90° 53'	Aug 14/72
	Selenastrum		P		P	7	P					
	Sphaerocystis											
	Spondylosium					6		4	Minis Lake	50° 48'	90° 53'	June 12/72
	Staurastrum											
	Tetraëdron	P		1	2	1						
	Tetrastrum							5	Minnow Lake	50° 11'	86° 46'	Aug 19/72
	Treubaria											
	Ulotrhix		1				3					
	Unidentified			2			7	6	St. Raphael Lake	50° 45'	91° 11'	Aug 11/72

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 61
PHYTOPLANKTON

ALBANY RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6
BLUE GREEN	Anabaena	11	233	3	9		
	Aphanizomenon		88		4		
	Aphanocapsa						
	Aphanothece	6	124		157		
	Chroococcus	6	27		6		
	Coelosphaerium						
	Dactylococcopsis						
	Gloeocapsa						
	Gloeothece						
	Gomphosphaeria	3	25		116	P	
	Lyngbya		44		6		
	Marssoniella						
	Merismopedia						
	Microcystis						
	Nostoc						
	Oscillatoria	15	127		16	4	
	Pelodictyon						
	Pelogloea						
	Phormidium						
	Plectonema						
	Rhabdoderma						
	Spirulina						
	Tetrapedia						
	Unidentified						

Column Number	Name	Latitude North	Longitude West	Date
1	St. Rapheal Lake	50° 45'	91° 11'	June 12/72
2	O'Sullivan Lake	50° 25'	87° 00'	Aug 19/72
3	Troutfly Lake	51° 42'	88° 55'	Mar 10/71
4	Troutfly Lake	51° 42'	88° 55'	Aug 5/71
5	Wabimeig Lake	51° 28'	85° 35'	Mar 13/72

Units are given in Areal Standard Units per millilitre
P= Present

TABLE 61 (Con't)
PHYTOPLANKTON

ALBANY RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
DIATOMS	Achnanthes	P										
	Amphiprora							1	St. Rapheal Lake	50° 45'	91° 11'	June 12/72
	Amphora											
	Asterionella		15	1								
	Attheya							2	O'Sullivan Lake	50° 25'	87° 00'	Aug 19/72
	Ceratoneis											
	Cyclotella	18	24	P	25	P						
	Cymatopleura							3	Troutfly Lake	51° 42'	88° 55'	Mar 10/71
	Cymbella											
	Diatoma											
	Diploneis							4	Troutfly Lake	51° 42'	88° 55'	Aug 5/71
	Epithemia											
	Eunotia											
	Fragilaria				22			5	Wabimeig Lake	51° 28'	85° 35'	Mar 13/72
	Gomphonema											
	Gyrosigma											
	Melosira	2	23		78							
	Navicula											
	Nitzschia		7									
	Pinnularia											
	Rhizosolenia	2	14		16							
	Stauroneis											
	Surirella											
	Stephanodiscus											
	Synedra	3	18	P	24	1						
	Tabellaria	11	7		149							

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 61 (Con't)
PHYTOPLANKTON
ALBANY RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6
FLAGELLATES	Carteria	1					
	Ceratiam						
	Chlamydomonas	3	1	1	10	P	
	Chlorogonium						
	Cryptomonas	6	12	2	7	4	
	Dinobryon	4	26	1	12	1	
	Euglena	2					
	Gonium						
	Cymnodinium						
	Gyromitus						
	Katablepharis	P				1	
	Lepocinclis						
	Mallomonas						
	Ochromonas		1				
	Pedinomonas					P	
	Peridinium		3	1			
	Phaçotus						
	Phacus						
	Polytoma						
	Rhodomonas	6	3	1			
	Salpingoeca		3				
	Synura						
	Trachelomonas						
	Unidentified						
	Unidentified Chrysomonads	28	11			13	
	Unidentified Chrysophytes						

Column Number	Name	Latitude North	Longitude West	Date
1	St. Rapheal Lake	50° 45'	91° 11'	Jun 12/72
2	O'Sullivan Lake	50° 25'	87° 00'	Aug 19/72
3	Troutfly Lake	51° 42'	88° 55'	Mar 10/71
4	Troutfly Lake	51° 42'	88° 55'	Aug 5/71
5	Wabimeig Lake	51° 28'	85° 35'	Mar 13/72

Units are given in Areal Standard Units per millilitre

TABLE 61 (Con't)
PHYTOPLANKTON

ALBANY RIVER BASIN

Group	Genus	Column Number						Column Number	Name	Latitude North	Longitude West	Date
		1	2	3	4	5	6					
GREEN	Actinastrum											
	Ankistrodesmus	13	1	P	2	P		1	St. Raphael Lake	50° 45'	91° 11'	June 12/72
	Arthrodesmus											
	Bitrichia	1										
	Botryococcus					1		2	O'Sullivan Lake	50° 25'	87° 00'	Aug 19/72
	Characium											
	Closterium		2									
	Coelastrum		4					3	Troutfly Lake	51° 42'	88°55'	Mar 10/71
	Cosmarium		3									
	Crucigenia	3	3									
	Desmidium							4	Troutfly Lake	51° 42'	88° 55'	Aug 5/71
	Dictyosphaerium											
	Elakatothrix											
	Eustrum							5	Wabimeig Lake	51° 28'	85° 35'	Mar 13/72
	Franceia											
	Gloeocystis	5										
	Golenkinia											
	Kirchneriella											
	Lagerheimia											
	Micractinium											
	Mougeotia											
	Nephrocytium											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 61 (Con't)
PHYTOPLANKTON

ALBANY RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
GREEN	Oedogonium							1	St. Raphael Lake	50° 15'	91° 11'	June 12/72
	Oocystis	3	5		3							
	Ophiocytium							2	O'Sullivan Lake	50° 25'	87° 00'	Aug 19/72
	Pediastrum	P		5								
	Quadrigula							3	Troutfly Lake	51° 42'	88° 55'	Mar 10/71
	Scenedesmus	3	2		4	P						
	Schroederia							4	Troutfly Lake	51° 42'	88° 55'	Aug 5/71
	Selenastrum		1									
	Sphaerocystis							5	Wabimeig Lake	51° 28'	85° 35'	Mar 13/72
	Spondylosium											
	Staurastrum				4							
	Tetraëdron	P	1									
	Tetrastrum	P										
	Treubaria											
	Ulotrhix											
	Unidentified	1										

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 62
PHYTOPLANKTON

ATTAWAPISKAT RIVER BASIN

Group	Genus	Column Number						Column Number	Name	Latitude North	Longitude West	Date
		1	2	3	4	5	6					
BLUE GREEN	Anabaena	47		39			67					
	Aphanizomenon	59					3	1	Attawapiskat Lake	52° 15'	87° 55'	Aug 5/71
	Aphanocapsa			180								
	Aphanothece			524	6695	1677	97					
	Chroococcus	13		8	114	303	34	2	Attawapiskat Lake	52° 15'	87° 55'	Mar 20/72
	Coelosphaerium											
	Dactylococcopsis											
	Gloeocapsa											
	Gloeothece							3	Menaco Lake	52° 03'	90° 18'	Aug 5/71
	Gomphosphaeria	27		17		260	8					
	Lyngbya				1073	911	36	4	Missisa Lake	52° 20'	85° 05'	June 6/72
	Marssoniella											
	Merismopedia			3			6					
	Microcystis							5	Missisa Lake	52° 20'	85° 05'	June 6/72
	Nostoc											
	Oscillatoria	34			129	230	22					
	Pelodictyon							6	Missisa Lake	52° 20'	85° 05'	July 18/72
	Pelogloea											
	Phormidium											
	Plectonema											
	Rhabdoderma											
	Spirulina											
	Tetrapedia											
	Unidentified		P			20						

Units are given in Areal Standard Units per millilitre
P= Present

TABLE 62 (Con't)
PHYTOPLANKTON
ATTAWAPISKAT RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6
DIATOMS	Achnanthes						
	Amphiprora					5	
	Amphora						
	Asterionella	37		44			
	Attheya						
	Ceratoneis						
	Cyclotella	17		35	5	13	1
	Cymatopleura						
	Cymbella				29		
	Diatoma						
	Diploneis						
	Epithemia						
	Eunotia						
	Fragilaria						
	Gomphonema						
	Gyrosigma						
	Melosira	83		4			
	Navicula				43		
	Nitzschia	5	1	11	136	116	
	Pinnularia						
	Rhizosolenia	6		11			
	Stauroneis						
	Surirella						
	Stephanodiscus	7					
	Synedra		1	36	358	84	10
	Tabellaria			72	113		

Column Number	Name	Latitude North	Longitude West	Date
1	Attawapiskat Lake	52° 15'	87° 55'	Aug 5/71
2	Attawapiskat Lake	52° 15'	87° 55'	Mar 20/72
3	Menaco Lake	52° 03'	90° 18'	Aug 5/71
4	Missisa Lake	52° 20'	85° 05'	June 6/72
5	Missisa Lake	52° 20'	85° 05'	June 6/72
6	Missisa Lake	52° 20'	85° 05'	July 18/72

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 62 (Con't)
PHYTOPLANKTON
ATTAWAPISKAT RIVER BASIN

Group	Genus	Column Number						Column Number	Name	Latitude North	Longitude West	Date
		1	2	3	4	5	6					
FLAGELLATES	Carteria				29							
	Ceratiam							1	Attawapiskat Lake	52° 15'	87° 55'	Aug 5/71
	Chlamydomonas	66	P	27	11		47					
	Chlorogonium											
	Cryptomonas	109	P	10			5	2	Attawapiskat Lake	52° 15'	87° 55'	Mar 20/72
	Dinobryon	23					11					
	Euglena							3	Menaco Lake	52° 03'	90° 18'	Aug 5/71
	Gonium											
	Cymnodinium											
	Gyromitus							4	Missisa Lake	52° 20'	85° 05'	Jun 6/72
	Katablepharis					6						
	Lepocinclis											
	Mallomonas							5	Missisa Lake	52° 20'	85° 05'	Jun 6/72
	Ochromonas						2					
	Pedinomonas											
	Peridinium		P	12				6	Missisa Lake	52° 20'	85° 05'	Jul 18/72
	Phacotus											
	Phacus											
	Polytoma											
	Rhodomonas	24	1		9	7	14					
	Salpingoece											
	Synura											
	Trachelomonas											
	Unidentified											
	Unidentified Chrysomonads		5		77	27	17					
	Unidentified Chrysophytes											

Units are given in Areal Standard Units per millilitre

TABLE 62 (Con't)
PHYTOPLANKTON

ATTAWAPISKAT RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6
GREEN	Actinastrum						
	Ankistrodesmus	20					1
	Arthrodesmus						3
	Bitrichia						1
	Botryococcus						5
	Characium						
	Closterium						
	Coelastrum					20	
	Cosmarium						
	Crucigenia	3		1	80	42	3
	Desmidium						
	Dictyosphaerium			P			
	Elakatothrix				16		
	Eustrum						
	Franceia						
	Gloeocystis				29	24	2
	Golenkinia						
	Kirchneriella						
	Lagerheimia	P			14		
	Micractinium						
	Mougeotia	5		5			16
	Nephrocytium						

Column Number	Name	Latitude North	Longitude West	Date
1	Attawapiskat Lake	52° 15'	87° 55'	Aug 5/71
2	Attawapiskat Lake	52° 15'	87° 55'	Mar 20/72
3	Menaco Lake	52° 03'	90° 18'	Aug 5/71
4	Missisp Lake	52° 20'	85° 05'	June 6/72
5	Missisp Lake	52° 20'	85° 05'	June 6/72
6	Missisp Lake	52° 20'	85° 05'	July 18/72

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 62 (Con't)
PHYTOPLANKTON

ATTAWAPISKAT RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
GREEN	Oedogonium											
	Oocystis				121	72		1	Attawapiskat Lake	52° 15'	87° 55'	Aug 5/71
	Ophiocytium		P	4	58	17	16					
	Pediastrum											
	Quadrigula				177	27	5	2	Attawapiskat Lake	52° 15'	87° 55'	Mar 20/72
	Scenedesmus					6						
	Schroederia	2	P	3		254	7					
	Selenastrum	2						3	Menaco Lake	52° 03'	90° 18'	Aug 5/71
	Sphaerocystis						1					
	Spondylosium											
	Staurastrum					7	4	4	Missisa Lake	52° 20'	85° 05'	June 6/72
	Tetraëdron											
	Tetrastrum	1			34	40	2					
	Treubaria						2	5	Missisa Lake	52° 20'	85° 05'	June 6/72
	Ulotrhix											
	Unidentified		P									
								6	Missisa Lake	52° 20'	85° 05'	July 18/72

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 63
PHYTOPLANKTON

ATTAWAPISKAT RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6
BLUE GREEN	Anabaena	461					
	Aphanizomenon						
	Aphanocapsa						
	Aphanothece	12853					
	Chroococcus	736					
	Coelosphaerium						
	Dactylococcopsis						
	Gloeocapsa						
	Gloeothece						
	Gomphosphaeria						
	Lyngbya	1180					
	Marssoniella						
	Merismopedia						
	Microcystis						
	Nostoc						
	Oscillatoria	1084					
	Pelodictyon						
	Pelogloea						
	Phormidium						
	Plectonema						
	Rhabdoderma						
	Spirulina	213					
	Tetrapedia						
	Unidentified						

Column Number	Name	Latitude North	Longitude West	Date
1	Missisa Lake	52° 20'	85° 05'	July 18/72

Units are given in Areal Standard Units per millilitre
P= Present

TABLE 63 (Con't)
PHYTOPLANKTON

ATTAWAPISKAT RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
DIATOMS	Achnanthes							1	Missisa Lake	52° 20'	85° 05'	July 18/72
	Amphiprora											
	Amphora											
	Asterionella											
	Attheya											
	Ceratoneis											
	Cyclotella											
	Cymatopleura											
	Cymbella											
	Diatoma											
	Diploneis											
	Epithemia											
	Eunotia											
	Fragilaria											
	Gomphonema											
	Gyrosigma											
	Melosira											
	Navicula											
	Nitzschia	19										
	Pinnularia											
	Rhizosolenia											
	Stauroneis											
	Surirella											
	Stephanodiscus											
	Synedra	200										
	Tabellaria	157										

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 63 (Con't)
PHYTOPLANKTON

ATTAWAPISKAT RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
FLAGELLATES	Carteria							1	Missisa Lake	52° 20'	85° 05'	July 18/72
	Ceratiam											
	Chlamydomonas	27										
	Chlorogonium											
	Cryptomonas											
	Dinobryon											
	Euglena											
	Conium											
	Gymnodinium											
	Gyromitus											
	Katablepharis	3										
	Lepocinclis											
	Mallomonas											
	Ochromonas											
	Pedinomonas											
	Peridinium											
	Phacotus											
	Phacus											
	Polytoma											
	Rhodomonas	2										
	Salpingoece											
	Synura											
	Trachelomonas											
	Unidentified											
	Unidentified Chrysomonads	76										
	Unidentified Chrysophytes											

Units are given in Areal Standard Units per millilitre

TABLE 63 (Con't)
PHYTOPLANKTON

ATTAWAPISKAT RIVER BASIN

Group	Genus	Column Number						Column Number	Name	Latitude North	Longitude West	Date
		1	2	3	4	5	6					
GREEN	Actinastrum											
	Ankistrodesmus	8						1	Mississ Lake	52°20'	85° 05'	July 18/72
	Arthrodesmus											
	Bitrichia											
	Botryococcus											
	Characium											
	Closterium											
	Coelastrum	8										
	Cosmarium	9										
	Crucigenia	34										
	Desmidium											
	Dictyosphaerium											
	Elakatothrix											
	Eustrum											
	Franceia											
	Gloeocystis	5										
	Golenkinia											
	Kirchneriella											
	Lagerheimia											
	Micractinium											
	Mougeotia	135										
	Nephrocytium											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 63 (Con't)
PHYTOPLANKTON

ATTAWAPISKAT RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
GREEN	Oedogonium	232						1	Missisa Lake	52° 20'	85° 05'	July 18/72
	Oocystis	169										
	Ophiocytium											
	Pediastrum	109										
	Quadrigula	34										
	Scenedesmus	247										
	Schroederia											
	Selenastrum											
	Sphaerocystis											
	Spondylosium											
	Staurastrum											
	Tetraëdron	23										
	Tetrastrum	16										
	Treubaria	3										
	Ulotrhix											
	Unidentified											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 64
PHYTOPLANKTON

EKWAN RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
BLUE GREEN	Anabaena	19	3									
	Aphanizomenon							1	Boulanger Lake	54° 40'	83° 15'	Sept 8/72
	Aphanocapsa											
	Aphanothece	11375	2527									
	Chroococcus	111	179					2	Nowashe Lake	53° 45'	83° 10'	Sept 8/72
	Coelosphaerium											
	Dactylococcopsis											
	Gloeocapsa											
	Gloeothece											
	Gomphosphaeria		14									
	Lyngbya	2	13									
	Marssoniella											
	Merismopedia	4										
	Microcystis	30										
	Nostoc											
	Oscillatoria	7	26									
	Pelodictyon											
	Pelogloea											
	Phormidium											
	Plectonema											
	Rhabdoderma											
	Spirulina											
	Tetrapedia											
	Unidentified	42	17									

Units are given in Areal Standard Units per millilitre
P: Present

TABLE 64 (Con't)
PHYTOPLANKTON

EKWAN RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
DIATOMS	Achnanthes											
	Amphiprora							1	Boulanger Lake	54° 40'	83° 15'	Sept 8/72
	Amphora											
	Asterionella		5									
	Attheya							2	Nowashe Lake	53° 45'	83° 10'	Sept 8/72
	Ceratoneis											
	Cyclotella		P									
	Cymatopleura											
	Cymbella		1									
	Diatoma											
	Diploneis											
	Epithemia											
	Eunotia											
	Fragilaria	23	40									
	Gomphonema											
	Gyrosigma											
	Melosira											
	Navicula	7										
	Nitzschia	8	2									
	Pinnularia											
	Rhizosolenia		3									
	Stauroneis											
	Surirella											
	Stephanodiscus											
	Synedra	6	16									
	Tabellaria		16									

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 64 (Con't)
PHYTOPLANKTON
EKWAN RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6
FLAGELLATES	Carteria						
	Ceratiam						
	Chlamydomonas	2					
	Chlorogonium						
	Cryptomonas						
	Dinobryon		8				
	Euglena						
	Gonium						
	Gymnodinium						
	Gyromitus						
	Katablepharis						
	Lepocinclis						
	Mallomonas						
	Ochromonas						
	Pedinomonas						
	Peridinium						
	Phacotus						
	Phacus						
	Polytoma						
	Rhodomonas	7					
	Salpingoece						
	Synura						
	Trachelomonas						
	Unidentified						
	Unidentified Chrysomonads	10					
	Unidentified Chrysophytes						

Column Number	Name	Latitude North	Longitude West	Date
1	Boulanger Lake	54° 40'	83° 15'	Sept 8/72
2	Nowashe Lake	53° 45'	83° 10'	Sept 8/72

Units are given in Areal Standard Units per millilitre

TABLE 64 (Con't)
PHYTOPLANKTON

EKWAN RIVER BASIN

Group	Genus	Column Number						Column Number	Name	Latitude North	Longitude West	Date
		1	2	3	4	5	6					
GREEN	Actinastrum											
	Ankistrodesmus		2					1	Boulanger Lake	54° 40'	83° 15'	Sept 8/72
	Arthrodesmus		8									
	Bitrichia											
	Botryococcus	90						2	Nowashe Lake	53° 45'	83° 10'	Sept 8/72
	Characium											
	Closterium											
	Coelastrum	9	4									
	Cosmarium		2									
	Crucigenia	6	11									
	Desmidium											
	Dictyosphaerium											
	Elakatothrix											
	Euastrum											
	Franceia											
	Gloeocystis	8	6									
	Golenkinia											
	Kirchneriella											
	Lagerheimia	11	1									
	Micractinium											
	Mougeotia											
	Nephrocytium											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 64 (Con't)
PHYTOPLANKTON

EKWAN RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
GREEN	Oedogonium											
	Oocystis	155	35					1	Boulanger Lake	54° 40'	83° 15'	Sept 8/72
	Ophiocytium											
	Pediastrum	34										
	Quadrigula							2	Nowashe Lake	53° 45'	83° 10'	Sept 8/72
	Scenedesmus	18	9									
	Schroederia											
	Selenastrum	1										
	Sphaerocystis											
	Spondylosium											
	Staurastrum											
	Tetraëdron	3	7									
	Tetrastrum											
	Treubaria											
	Ulotrhix											
	Unidentified											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 65
PHYTOPLANKTON

MOOSE RIVER BASIN

Group	Genus	Column Number						Column Number	Name	Latitude North	Longitude West	Date
		1	2	3	4	5	6					
BLUE GREEN	Anabaena		611	646								
	Aphanizomenon				5	P	5	1	Campbell Lake	50° 18'	82° 13'	June 9/72
	Aphanocapsa											
	Aphanothece	121	656	6707		2						
	Chroococcus	21	76	262	2		P	2	Campbell Lake	50° 18'	82° 13'	July 13/72
	Coelosphaerium											
	Dactylococcopsis											
	Gloeocapsa							3	Campbell Lake	50° 18'	82° 13'	Sept 9/72
	Gloeothece											
	Gomphosphaeria	20	332	58	1		3					
	Lyngbya		408	552		P		4	Pierre Lake	49° 31'	80° 44'	Mar 24/72
	Marssoniella											
	Merismopedia	P		24								
	Microcystis	122						5	Remi Lake	49° 25'	82° 10'	Mar 24/72
	Nostoc	59	50	65								
	Oscillatoria				3							
	Pelodictyon							6	Saganash Lake	49° 04'	82° 35'	Mar 24/72
	Pelogloea											
	Phormidium											
	Plectonema											
	Rhabdoderma			38								
	Spirulina											
	Tetrapedia											
	Unidentified		38	18		P						

Units are given in Areal Standard Units per millilitre
P= Present

TABLE 65 (Con't)
PHYTOPLANKTON

MOOSE RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
DIATOMS	Achnanthes			7								
	Amphiprora							1	Campbell Lake	50° 18'	82° 13'	June 9/72
	Amphora			43								
	Asterionella	259	P									
	Attheya							2	Campbell Lake	50° 18'	82° 13'	July 13/72
	Ceratoneis											
	Cyclotella		19		P	P						
	Cymatopleura							3	Campbell Lake	50° 18'	82° 13'	Sept 9/72
	Cymbella											
	Diatoma						P					
	Diploneis							4	Pierre Lake	49° 31'	80° 44'	Mar 24/72
	Epithemia											
	Eunotia											
	Fragilaria		641	586				5	Remi Lake	49° 25'	82° 10'	Mar 24/72
	Gomphonema											
	Gyrosigma											
	Melosira	57	57	605				6	Saganash Lake	49° 04'	82° 35'	Mar 24/72
	Navicula											
	Nitzschia											
	Pinnularia											
	Rhizosolenia											
	Stauroneis											
	Surirella											
	Stephanodiscus											
	Synedra	48	36	52	P							
	Tabellaria	69	P	478								

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 65 (Con't)
PHYTOPLANKTON
MOOSE RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6
FLAGELLATES	Carteria						
	Ceratiam						
	Chlamydomonas		14	2	P	P	
	Chlorogonium						
	Cryptomonas		10	23	1	2	1
	Dinobryon	90	33	206			
	Euglena						
	Gonium						
	Gymnodinium					4	
	Gyromitus			12			
	Katablepharis	2	2	4			
	Lepocinclis						1
	Mallomonas						
	Ochromonas						
	Pedinomonas						
	Peridinium	7					1
	Phacotus						
	Phacus						
	Polytoma						
	Rhodomonas		3		1	P	1
	Salpingoeca						
	Synura						
	Trachelomonas						
	Unidentified	7					
	Unidentified Chrysomonads	43		14	2	5	P
	Unidentified Chrysophytes						

Column Number	Name	Latitude North	Longitude West	Date
1	Campbell Lake	50° 18'	82° 13'	Jun 9/72
2	Campbell Lake	50° 18'	82° 13'	July 13/72
3	Campbell Lake	50° 18'	82° 13'	Sept 9/72
4	Pierre Lake	49° 31'	80° 44'	Mar 24/72
5	Remi Lake	49° 25'	82° 10'	Mar 24/72
6	Saganash Lake	49° 04'	82° 35'	Mar 24/72

Units are given in Areal Standard Units per millilitre

TABLE 65 (Con't)
PHYTOPLANKTON

MOOSE RIVER BASIN

Group	Genus	Column Number						Column Number	Name	Latitude North	Longitude West	Date
		1	2	3	4	5	6					
GREEN	Actinastrum											
	Ankistrodesmus	9	22	3	P	P		1	Campbell Lake	50° 18'	82° 13'	June 9/72
	Arthrodesmus			38								
	Bitrichia	5										
	Botryococcus			47				2	Campbell Lake	50° 18'	82° 13'	July 13/72
	Characium											
	Closterium											
	Coelastrum	6		3	P			3	Campbell Lake	50° 18'	82° 13'	Sept 9/72
	Cosmarium		13	11								
	Crucigenia	33	13	35								
	Desmidium			56				4	Pierre Lake	49° 31'	80° 44'	Mar 24/72
	Dictyosphaerium	3										
	Elakatothrix											
	Eustrum							5	Remi Lake	49° 25'	82° 10'	Mar 24/72
	Franceia	2										
	Gloeocystis			74								
	Golenkinia			2				6	Saganash Lake	49° 04'	82° 35'	Mar 24/72
	Kirchneriella											
	Lagerheimia		P									
	Micractinium											
	Mougeotia		11									
	Nephrocytium											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 65 (Con't)
PHYTOPLANKTON

MOOSE RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
GREEN	Oedogonium							1	Campbell Lake	50° 18'	82° 13'	June 9/72
	Oocystis		46	308								
	Ophiocytium		6									
	Pediastrum		228					2	Campbell Lake	50° 18'	82° 13'	July 13/72
	Quadrigula											
	Scenedesmus	123	118	263								
	Schroederia							3	Campbell Lake	50° 18'	82° 13'	Sept 9/72
	Selenastrum					P						
	Sphaerocystis											
	Spondylosium							4	Pierre Lake	49° 31'	80° 44'	Mar 24/72
	Staurastrum		95									
	Tetraëdron	19	22	15								
	Tetrastrum							5	Remi Lake	49° 25'	82° 10'	Mar 24/72
	Treubaria											
	Ulotrhix											
	Unidentified	8						6	Saganash Lake	49° 04'	82° 35'	Mar 24/72

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 66
PHYTOPLANKTON

MOOSE RIVER BASIN

Group	Genus	Column Number						Column Number	Name	Latitude North	Longitude West	Date
		1	2	3	4	5	6					
BLUE GREEN	Anabaena	88		209	4	14	20	1	Kesagami Lake	50° 28'	80° 15'	June 9/72
	Aphanizomenon			8		25						
	Aphanocapsa											
	Aphanothece	621	P	97		125	147	2	Kesagami Lake	50° 28'	80° 15'	July 13/72
	Chroococcus	1		33								
	Coelosphaerium											
	Dactylococcopsis							3	Kesagami Lake	50° 28'	80° 15'	Sept 9/72
	Gloeocapsa											
	Gloeothece											
	Gomphosphaeria	8	8	5		33	59	4	Marquis Lake	49° 54'	80° 10'	June 9/72
	Lyngbya	14	4	15	9	11	59					
	Marssoniella											
	Merismopedia							5	Marquis Lake	49° 54'	80° 10'	July 13/72
	Microcystis		P									
	Nostoc											
	Oscillatoria	3	6	17	90	137	223	6	Marquis Lake	49° 54'	80° 10'	Sept 9/72
	Pelodictyon											
	Pelogloea											
	Phormidium											
	Plectonema											
	Rhabdoderma											
	Spirulina											
	Tetrapedia											
	Unidentified											

Units are given in Areal Standard Units per millilitre
P= Present

TABLE 66 (Con't)
PHYTOPLANKTON

MOOSE RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6
DIATOMS	Achnanthes		1			P	
	Amphiprora		18				
	Amphora		27				
	Asterionella		15	19		3	P
	Attheya						
	Ceratoneis						
	Cyclotella	1	5	4	5	10	1
	Cymatopleura						
	Cymbella				6		
	Diatoma		3		2		
	Diploneis						
	Epithemia						
	Eunotia						
	Fragilaria		P		3		
	Gomphonema						
	Gyrosigma		P				
	Melosira		217	2	17	5	
	Navicula		15	9	6		5
	Nitzschia	P	22	20	7	11	3
	Pinnularia			P			
	Rhizosolenia					3	3
	Stauroneis						
	Surirella		P				
	Stephanodiscus						
	Synedra	1	26	16	22	14	9
	Tabellaria		P	81	P	22	18

Column Number	Name	Latitude North	Longitude West	Date
1	Kesagami Lake	50° 28'	80° 15'	June 9/72
2	Kesagami Lake	50° 28'	80° 15'	July 13/72
3	Kesagami Lake	50° 28'	80° 15'	Sept 9/72
4	Marquis Lake	49° 54'	80° 10'	June 9/72
5	Marquis Lake	49° 54'	80° 10'	July 13/72
6	Marquis Lake	49° 54'	80° 10'	Sept 9/72

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 66 (Con't)
PHYTOPLANKTON

MOOSE RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
FLAGELLATES	Carteria											
	Ceratiam							1	Kesagami Lake	50° 28'	80° 15'	Jun 9/72
	Chlamydomonas	8	3	1	2	1	3					
	Chlorogonium											
	Cryptomonas	18	5		60	2	3	2	Kesagami Lake	50° 28'	80° 15'	July 13/72
	Dinobryon	85	20	3	90		8					
	Euglena		P					3	Kesagami Lake	50° 28'	80° 15'	Sept 9/72
	Gonium											
	Gymnodinium				3							
	Gyromitus		1		1	1		4	Marquis Lake	49° 54'	80° 10'	Jun 9/72
	Katablepharis	3			P	P	P					
	Lepocinclis											
	Mallomonas	2						5	Marquis Lake	49° 54'	80° 10'	July 13/72
	Ochromonas				P							
	Pedinomonas				P							
	Peridinium	P	3		26			6	Marquis Lake	49° 54'	80° 10'	Sept 9/72
	Phacotus											
	Phacus											
	Polytoma	4			P							
	Rhodomonas	33	6		62	9	1					
	Salpingoece											
	Synura											
	Trachelomonas											
	Unidentified											
	Unidentified Chrysomonads	4	2		7							
	Unidentified Chrysophytes											

Units are given in Areal Standard Units per millilitre

TABLE 66 (Con't)
PHYTOPLANKTON

MOOSE RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
GREEN	Actinastrum											
	Ankistrodesmus	1	2	2	1	5	P	1	Kesagami Lake	50° 28'	80° 15'	June 9/72
	Arthrodesmus											
	Bitrichia		1		P							
	Botryococcus			P				2	Kesagami Lake	50° 28'	80° 15'	July 13/72
	Characium											
	Closterium											
	Coelastrum					2		3	Kesagami Lake	50° 28'	80° 15'	Sept 9/72
	Cosmarium		3			P						
	Crucigenia	1	2	6		P	3					
	Desmidium							4	Marquis Lake	49° 54'	80° 10'	June 9/72
	Dictyosphaerium			24								
	Elakatothrix											
	Eustrum							5	Marquis Lake	49° 54'	80° 10'	July 13/72
	Franceia											
	Gloeocystis											
	Golenkinia	P						6	Marquis Lake	49° 54'	80° 10'	Sept 9/72
	Kirchneriella											
	Lagerheimia											
	Micractinium											
	Mougeotia			17								
	Nephrocytium											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 66 (Con't)
PHYTOPLANKTON

MOOSE RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6
GREEN	Oedogonium						
	Oocystis	P	1	2	1	1	3
	Ophiocytium						
	Pediastrum	P					
	Quadrigula			1			
	Scenedesmus	5				1	
	Schroederia						
	Selenastrum						
	Sphaerocystis						
	Spondylosium						
	Staurastrum						3
	Tetraëdron	1	3		1		
	Tetrastrum						
	Treubaria						1
	Ulotrhix						
	Unidentified						

Column Number	Name	Latitude North	Longitude West	Date
1	Kesagami Lake	50° 28'	80° 15'	June 9/72
2	Kesagami Lake	50° 28'	80° 15'	July 13/72
3	Kesagami Lake	50° 28'	80° 15'	Sept 9/72
4	Marquis Lake	49° 54'	80° 10'	June 9/72
5	Marquis Lake	49° 54'	80° 10'	July 13/72
6	Marquis Lake	49° 54'	80° 10'	Sept 9/72

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 67
PHYTOPLANKTON

MOOSE RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6
BLUE GREEN	Anabaena		176	30			
	Aphanizomenon		1	5			
	Aphanocapsa		97				
	Aphanothece			3			
	Chroococcus						
	Coelosphaerium						
	Dactylococcopsis						
	Gloeocapsa						
	Gloeothece						
	Gomphosphaeria	24	12	58			
	Lyngbya			2			
	Marssoniella						
	Merismopedia			P			
	Microcystis						
	Nostoc						
	Oscillatoria	6	7				
	Pelodictyon						
	Pelogloea						
	Phormidium						
	Plectonema						
	Rhabdoderma						
	Spirulina						
	Tetrapedia						
	Unidentified						

Column Number	Name	Latitude North	Longitude West	Date
1	Stringer Lake	50° 11'	80° 53'	June 9/72
2	Stringer Lake	50° 11'	80° 53'	July 13/72
3	Stringer Lake	50° 11'	80° 53'	Sept 9/72

Units are given in Areal Standard Units per millilitre
P: Present

TABLE 67 (Con't)
PHYTOPLANKTON

MOOSE RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
DIATOMS	Achnanthes											
	Amphiprora	18						1	Stringer Lake	50° 11'	80° 53'	June 9/72
	Amphora											
	Asterionella	8						2	Stringer Lake	50° 11'	80° 53'	July 13/72
	Attheya											
	Ceratoneis			1								
	Cyclotella	8	8	1				3	Stringer Lake	50° 11'	80° 53'	Sept 9/72
	Cymatopleura											
	Cymbella											
	Diatoma											
	Diploneis	9										
	Epithemia											
	Eunotia											
	Fragilaria	24										
	Gomphonema											
	Gyrosigma											
	Melosira	74	22	35								
	Navicula											
	Nitzschia	7	P	1								
	Pinnularia											
	Rhizosolenia		10	3								
	Stauroneis											
	Surirella											
	Stephanodiscus											
	Synedra	34	10	3								
	Tabellaria											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 67 (Con't)
PHYTOPLANKTON

MOOSE RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
FLAGELLATES	Carteria											
	Ceratiam							1	Stringer Lake	50° 11'	80° 53'	Jun 9/72
	Chlamydomonas	1	4	2								
	Chlorogonium											
	Cryptomonas	3	11					2	Stringer Lake	50° 11'	80° 53'	July 13/72
	Dinobryon	58	2	7								
	Euglena							3	Stringer Lake	50° 11'	80° 53'	Sept 9/72
	Gonium											
	Gymnodinium											
	Gyromitus		P									
	Katablepharis	P										
	Lepocinclis											
	Mallomonas											
	Ochromonas	1		P								
	Pedinomonas											
	Peridinium											
	Phacotus	P										
	Phacus											
	Polytoma	3	P									
	Rhodomonas	29	8	6								
	Salpingoeca	1										
	Synura	2										
	Trachelomonas	1	2									
	Unidentified											
	Unidentified Chrysomonads	2		P								
	Unidentified Chrysophytes											

Units are given in Areal Standard Units per millilitre

TABLE 67 (Con't)
PHYTOPLANKTON

MOOSE RIVER BASIN

Group	Genus	Column Number						Column Number	Name	Latitude North	Longitude West	Date
		1	2	3	4	5	6					
GREEN	Actinastrum											
	Ankistrodesmus	1	5	P				1	Stringer Lake	50° 11'	80° 53'	June 9/72
	Arthrodesmus											
	Bitrichia	P										
	Botryococcus							2	Stringer Lake	50° 11'	80° 53'	July 13/72
	Characium											
	Closterium											
	Coelastrum		2					3	Stringer Lake	50° 11'	80° 53'	Sept 9/72
	Cosmarium		P									
	Crucigenia		P	3								
	Desmidium											
	Dictyosphaerium											
	Elakatothrix											
	Eustrum											
	Franceia											
	Gloeocystis											
	Golenkinia											
	Kirchneriella											
	Lagerheimia											
	Micractinium											
	Mougeotia											
	Nephrocytium											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 67 (Con't)
PHYTOPLANKTON

MOOSE RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
GREEN	Oedogonium							1	Stringer Lake	50° 11'	80° 53'	June 9/72
	Oocystis		5	4								
	Ophiocytium											
	Pediastrum	P						2	Stringer Lake	50° 11'	80° 53'	July 13/72
	Quadrigula			4								
	Scenedesmus			1								
	Schroederia							3	Stringer Lake	50° 11'	80° 53'	Sept 9/72
	Selenastrum		P									
	Sphaerocystis			7								
	Spondylosium											
	Staurastrum											
	Tetraëdron											
	Tetrastrum											
	Treubaria											
	Ulotrhix											
	Unidentified											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 68
PHYTOPLANKTON

SEVERN RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
BLUE GREEN	Anabaena		44	2	4	147						
	Aphanizomenon				23	425	137	1	Agusk Lake	54° 38'	89° 30'	Mar 9/71
	Aphanocapsa		250									
	Aphanothece	8	6008	782		264						
	Chroococcus	P	158	62		1		2	Agusk Lake	54° 38'	89° 30'	Aug 9/71
	Coelosphaerium											
	Dactylococcopsis											
	Gloeocapsa							3	Agusk Lake	54° 38'	89° 30'	Sept 22/72
	Gloeothece		915									
	Gomphosphaeria		35	25								
	Lyngbya	1		62	8	25	7	4	Big Trout Lake	53° 45'	90° 00'	Mar 10/71
	Marssoniella											
	Merismopedia		5									
	Microcystis							5	Big Trout Lake	53° 45'	90° 00'	Aug 6/71
	Nostoc											
	Oscillatoria		3	7	15	74	10					
	Pelodictyon							6	Big Trout Lake	53° 45'	90° 00'	Mar 18/72
	Pelogloea											
	Phormidium											
	Plectonema											
	Rhabdoderma		220									
	Spirulina											
	Tetrapedia											
	Unidentified			4			P					

Units are given in Areal Standard Units per millilitre
P= Present

TABLE 68 (Con't)
PHYTOPLANKTON

SEVERN RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
DIATOMS	Achnanthes											
	Amphiprora							1	Agusk Lake	54° 38'	89° 30'	Mar 9/71
	Amphora											
	Asterionella			82	1	35	2					
	Attheya							2	Agusk Lake	54° 38'	89° 30'	Aug 9/71
	Ceratoneis											
	Cyclotella		10	2	2	81	5					
	Cymatopleura							3	Agusk Lake	54° 38'	89° 30'	Sept 22/72
	Cymbella											
	Diatoma											
	Diploneis							4	Big Trout Lake	53° 45'	90° 00'	Mar 10/71
	Epithemia											
	Eunotia											
	Fragilaria			10				5	Big Trout Lake	53°45'	90° 00'	Aug 6/71
	Gomphonema											
	Gyrosigma											
	Melosira				11	14		6	Big Trout Lake	53° 45'	90° 00'	Mar 18/72
	Navicula	P		5								
	Nitzschia		20	10	P	24						
	Pinnularia											
	Rhizosolenia			8								
	Stauroneis											
	Surirella											
	Stephanodiscus					58						
	Synedra			15	1	100						
	Tabellaria											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 68 (Con't)
PHYTOPLANKTON

SEVERN RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6
FLAGELLATES	Carteria						
	Ceratiam						
	Chlamydomonas	1	2	7	P	38	1
	Chlorogonium						
	Cryptomonas	2		7	5		7
	Dinobryon		17	29		26	
	Euglena						
	Gonium						
	Gymnodinium						16
	Gyromitus						
	Katablepharis						P
	Lepocinclis						
	Mallomonas						
	Ochromonas	P	5				
	Pedinomonas						
	Peridinium						3
	Phacotus						
	Phacus						
	Polytoma						
	Rhodomonas				2		6
	Salpingoeca						
	Synura						
	Trachelomonas					4	
	Unidentified						
	Unidentified Chrysomonads		21				14
	Unidentified Chrysophytes						

Column Number	Name	Latitude North	Longitude West	Date
1	Agusk Lake	54° 38'	89° 30'	Mar 9/71
2	Agusk Lake	54° 38'	89° 30'	Aug 9/71
3	Agusk Lake	54° 38'	89° 30'	Sept 22/72
4	Big Trout Lake	53° 45'	90° 00'	Mar 10/71
5	Big Trout Lake	53° 45'	90° 00'	Aug 6/71
6	Big Trout Lake	53° 45'	90° 00'	Mar 18/72

Units are given in Areal Standard Units per millilitre

TABLE 68 (Con't)
PHYTOPLANKTON

SEVERN RIVER BASIN

Group	Genus	Column Number						Column Number	Name	Latitude North	Longitude West	Date
		1	2	3	4	5	6					
GREEN	Actinastrum											
	Ankistrodesmus			2	1	18	3	1	Agusk Lake	54° 38'	89° 30'	Mar 9/71
	Arthrodesmus		34									
	Bitrichia											
	Botryococcus		23					2	Agusk Lake	54° 38'	89° 30'	Aug 9/71
	Characium											
	Closterium											
	Coelastrum	1						3	Agusk Lake	54° 38'	89° 30'	Sept 22/72
	Cosmarium			2								
	Crucigenia		29	7			1					
	Desmidium							4	Big Trout Lake	53° 45'	90° 00'	Mar 10/71
	Dictyosphaerium				1							
	Elakatothrix											
	Euastrum			10				5	Big Trout Lake	53° 45'	90° 00'	Aug 6/71
	Franceia											
	Gloeocystis											
	Golenkinia		4					6	Big Trout Lake	53° 45'	90° 00'	Mar 18/72
	Kirchneriella											
	Lagerheimia											
	Micractinium											
	Mougeotia						4.					
	Nephrocytium											
	Unknown Green			4								

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 69 (Con't)
PHYTOPLANKTON
SEVERN RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6
GREEN	Oedogonium						
	Oocystis		39	17			
	Ophiocytium						
	Pediastrum						
	Quadrigula						
	Scenedesmus		40	33			
	Schroederia						
	Selenastrum						
	Sphaerocystis						
	Spondylosium						
	Staurastrum					16	
	Tetraëdron		2	2		6	
	Tetrastrum						
	Treubaria			3			
	Ulotrhix						26
	Unidentified					6	

Column Number	Name	Latitude North	Longitude West	Date
1	Agusk Lake	54° 38'	89° 30'	Mar 9/71
2	Agusk Lake	54° 38'	89° 30'	Aug 9/71
3	Agusk Lake	54° 38'	89° 30'	Sept 22/72
4	Big Trout Lake	53° 45'	90° 00'	Mar 10/71
5	Big Trout Lake	53° 45'	90° 00'	Aug 6/71
6	Big Trout Lake	53° 45'	90° 00'	Mar 18/72

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 69
PHYTOPLANKTON

SEVERN RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6
BLUE GREEN	Anabaena	39		10	79	40	163
	Aphanizomenon	38					
	Aphanocapsa				630	366	314
	Aphanothece	339	3	792	4967	16882	552
	Chroococcus	79	65	73	171	453	99
	Coelosphaerium						
	Dactylococcopsis		5				
	Gloeocapsa						
	Gloeothece			26			145
	Gomphosphaeria	69	5	39		38	101
	Lyngbya	9		8	148	9	393
	Marssoniella						
	Merismopedia			5	4	10	5
	Microcystis	15		10	255		
	Nostoc						
	Oscillatoria	59		1	109	15	24
	Pelodictyon				58		
	Pelogloea						
	Phormidium					2	
	Plectonema						
	Rhabdoderma						
	Spirulina						
	Tetrapedia						
	Unidentified						

Column Number	Name	Latitude North	Longitude West	Date
1	Big Trout Lake	53° 45'	90° 00'	Sept 25/72
2	Big Trout Lake Bog	53° 51'	89° 53'	Aug 8/71
3	Deer Lake	52° 42'	94° 30'	Aug 7/71
4	Dog Lake	54° 35'	89° 36'	Aug 11/70
5	Harvey Lake	55° 38'	88° 21'	Aug 3/70
6	Jen Lake	55° 13'	87° 50'	Aug 9/71

Units are given in Areal Standard Units per millilitre
P: Present

TABLE 69 (Con't)
PHYTOPLANKTON

SEVERN RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6
DIATOMS	Achnanthes	P					
	Amphiprora						
	Amphora						
	Asterionella	15		17		120	
	Attheya						
	Ceratoneis						
	Cyclotella	12	2	11	52	1	35
	Cymatopleura						
	Cymbella						
	Diatoma						
	Diploneis						
	Epithemia						
	Eunotia						
	Fragilaria	46				9	
	Gomphonema						
	Gyrosigma						
	Melosira	153		5			
	Navicula	7				22	
	Nitzschia	13	P	6		11	9
	Pinnularia						
	Rhizosolenia	25		2		2	
	Stauroneis						
	Surirella						
	Stephanodiscus	79					
	Synedra	6	2	1	169	32	44
	Tabellaria	3		250		25	94

Column Number	Name	Latitude North	Longitude West	Date
1	Big Trout Lake	53° 45'	90° 00'	Sept 25/72
2	Big Trout Lake Bog	53° 51'	89° 53'	Aug 8/71
3	Deer Lake	52° 42'	94° 30'	Aug 7/71
4	Dog Lake	54° 35'	89° 36'	Aug 11/70
5	Harvey Lake	55° 38'	88° 21'	Aug 3/70
6	Jen Lake	55° 13'	87° 50'	Aug 9/71

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 69 (Con't)
PHYTOPLANKTON

SEVERN RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
FLAGELLATES	Carteria											
	Ceratiam											
	Chlamydomonas	3	7	4	53	19	9	1	Big Trout Lake	53° 45'	90° 00'	Sept 25/72
	Chlorogonium											
	Cryptomonas	6	15									
	Dinobryon	16	310		35	30	47	2	Big Trout Lake Bog	53° 51'	89° 53'	Aug 8/71
	Euglena											
	Gonium			5			14	3	Deer Lake	52° 42'	94° 30'	Aug 7/71
	Gymnodinium						5					
	Gyromitus											
	Katablepharis	P						4	Dog Lake	54° 35'	89° 36'	Aug 11/70
	Lepocinclis											
	Mallomonas											
	Ochromonas		1					5	Harvey Lake	55° 38'	88° 21'	Aug 3/70
	Pedinomonas											
	Peridinium		1	2			13					
	Phacotus							6	Jen Lake	55° 13'	87° 50'	Aug 9/71
	Phacus											
	Polytoma											
	Rhodomonas	5	3				3					
	Salpingoeca											
	Synura											
	Trachelomonas											
	Unidentified			3			23					
	Unidentified Chrysomonads	3										
	Unidentified Chrysophytes											

Units are given in Areal Standard Units per millilitre

TABLE 69 (Con't)
PHYTOPLANKTON

SEVERN RIVER BASIN

Group	Genus	Column Number						Column Number	Name	Latitude North	Longitude West	Date
		1	2	3	4	5	6					
GREEN	Actinastrum											
	Ankistrodesmus	5	P	3			4	1	Big Trout Lake	53° 45'	90° 00'	Sept 25/72
	Arthrodesmus		1	2	2							
	Bitrichia											
	Botryococcus				2	25	355	2	Big Trout Lake Bog	53° 51'	89° 53'	Aug 8/71
	Characium											
	Closterium											
	Coelastrum		1					3	Deer Lake	52° 42'	94° 30'	Aug 7/71
	Cosmarium						7					
	Crucigenia	P	2	2	33	2	14					
	Desmidium							4	Dog Lake	54° 35'	89° 36'	Aug 11/70
	Dictyosphaerium	19					5					
	Elakatothrix											
	Eugstrum							5	Harvey Lake	55° 38'	88° 21'	Aug 3/70
	Franceia											
	Gloeocystis	3										
	Golenkinia							6	Jen Lake	55° 13'	87° 50'	Aug 9/71
	Kirchneriella			2								
	Lagerheimia					5						
	Micractinium	P				1						
	Mougeotia											
	Nephrocytium											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 69 (Con't)
PHYTOPLANKTON

SEVERN RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
GREEN	Oedogonium				9	17	108	1	Big Trout Lake	53° 45'	90° 00'	Sept 25/72
	Oocystis		7	1		13	15					
	Ophiocytium											
	Pediastrum	1	1			9		2	Big Trout Lake Bog	53° 51'	89° 53'	Aug 8/71
	Quadrigula											
	Scenedesmus	3	4	1	25	15	17					
	Schroederia		2					3	Deer Lake	52° 42'	94° 30'	Aug 7/71
	Selenastrum		P				1					
	Sphaerocystis											
	Spondylosium				10	3	3	4	Dog Lake	54° 35'	89° 36'	Aug 11/70
	Staurastrum	7										
	Tetraëdron		P		2	3	4					
	Tetrastrum							5	Harvey Lake	55° 38'	88° 21'	Aug 3/70
	Treubaria			P								
	Ulotrhix											
	Unidentified		3					6	Jen Lake	55° 13'	87° 50'	Aug 9/71

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 70
PHYTOPLANKTON
SEVERN RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
BLUE GREEN	Anabaena	1	18	267	287	2	90					
	Aphanizomenon	1	10		14	23	11	1	Kaness Lake	52° 31'	92° 30'	Mar 7/71
	Aphanocapsa											
	Aphanothece			26	187	1	75					
	Chroococcus		34	16	273	1	348	2	Kaness Lake	52° 31'	92° 30'	Aug 7/71
	Coelosphaerium											
	Dactylococcopsis											
	Gloeocapsa							3	Nikip Lake	52° 55'	91° 56'	Aug 7/71
	Gloeothece				95							
	Gomphosphaeria	135	32	20	11							
	Lyngbya		6	24	13			4	North Caribou Lake	52° 45'	90° 30'	Aug 5/71
	Marssoniella											
	Merismopedia			4	2							
	Microcystis			79			49	5	North Spirit Lake	52° 30'	92° 55'	Mar 7/71
	Nostoc											
	Oscillatoria	1		54	5							
	Pelodictyon							6	North Spirit Lake	52° 30'	92° 55'	Aug 7/71
	Pelogloea											
	Phormidium											
	Plectonema											
	Rhabdoderma			P								
	Spirulina											
	Tetrapedia											
	Unidentified											

Units are given in Areal Standard Units per millilitre
P= Present

TABLE 70 (Con't)
PHYTOPLANKTON

SEVERN RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
DIATOMS	Achnanthes							1	Kaness Lake	52° 31'	92° 30'	Mar 7/71
	Amphiprora											
	Amphora											
	Asterionella			25	45		60	2	Kaness Lake	52° 31'	92° 30'	Aug 7/71
	Attheya											
	Ceratoneis											
	Cyclotella	P	2	29	28		7	3	Nikip Lake	52° 55'	91° 56'	Aug 7/71
	Cymatopleura											
	Cymbella		1									
	Diatoma							4	North Caribou	52° 45'	90° 30'	Aug 5/71
	Diploneis											
	Epithemia											
	Eunotia							5	North Spirit Lake	52° 30'	92° 55'	Mar 7/71
	Fragilaria											
	Gomphonema											
	Gyrosigma							6	North Spirit Lake	52° 30'	92° 55'	Aug 7/71
	Melosira		1	11	29	4	6					
	Navicula			8								
	Nitzschia			32	8		20					
	Pinnularia											
	Rhizosolenia						6					
	Stauroneis											
	Surirella											
	Stephanodiscus				79							
	Synedra		22	17	9							
	Tabellaria		520		234		268					

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 70 (Con't)
PHYTOPLANKTON

SEVERN RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6
FLAGELLATES	Carteria						
	Ceratiam						
	Chlamydomonas	P	10	7		1	16
	Chlorogonium						
	Cryptomonas	3			31	8	16
	Dinobryon				34		
	Euglena						
	Gonium						
	Gymnodinium						
	Gyromitus						
	Katablepharis						
	Lepocinclis						
	Mallomonas						
	Ochromonas					P	
	Pedinomonas						
	Peridinium		2				
	Phacotus						
	Phacus						
	Polytoma						
	Rhodomonas	P	1		16	2	3
	Salpingoeca						
	Synura						
	Trachelomonas						
	Unidentified						
	Unidentified Chrysomonads						
	Unidentified Chrysophytes		3				

Column Number	Name	Latitude North	Longitude West	Date
1	Kaness Lake	52° 31'	92° 30'	Mar 7/71
2	Kaness Lake	52° 31'	92° 30'	Aug 7/71
3	Nikip Lake	52° 55'	91° 56'	Aug 7/71
4	North Caribou Lake	52° 45'	90° 30'	Aug 5/71
5	North Spirit Lake	52° 30'	92° 55'	Mar 7/71
6	North Spirit Lake	52° 30'	92° 55'	Aug 7/71

Units are given in Areal Standard Units per millilitre

TABLE 70 (Con't)
PHYTOPLANKTON

SEVERN RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
GREEN	Actinastrum											
	Ankistrodesmus	4		5	2		10	1	Kaness Lake	52° 31'	92° 30'	Mar 7/71
	Arthrodesmus											
	Bitrichia											
	Botryococcus	11						2	Kaness Lake	52° 31'	92° 30'	Aug 7/71
	Characium											
	Closterium		P									
	Coelastrum						3	3	Nikip Lake	52° 55'	91° 56'	Aug 7/71
	Cosmarium											
	Crucigenia			6			4					
	Desmidium							4	North Caribou Lake	52° 45'	90° 30'	Aug 5/71
	Dictyosphaerium	11										
	Elakatothrix											
	Eustrum							5	North Spirit Lake	52° 30'	92° 55'	Mar 7/71
	Franceia											
	Gloeocystis											
	Golenkinia							6	North Spirit Lake	52° 30'	92° 55'	Aug 7/71
	Kirchneriella											
	Lagerheimia			P			1					
	Micractinium											
	Mougeotia											
	Nephrocytium											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 70 (Con't)
PHYTOPLANKTON

SEVERN RIVER BASIN

Group	Genus	Column Number						Column Number	Name	Latitude North	Longitude West	Date
		1	2	3	4	5	6					
GREEN	Oedogonium							1	Keness Lake	52° 31'	92° 30'	Mar 7/71
	Oocystis		4	3	3		18					
	Ophiocytium											
	Pediastrum		8		11			2	Keness Lake	52° 31'	92° 30'	Aug 7/71
	Quadrigula											
	Scenedesmus		1		8	P	2					
	Schroederia		1					3	Nikip Lake	52° 55'	91° 56'	Aug 7/71
	Selenastrum											
	Sphaerocystis											
	Spondylosium							4	North Caribou Lake	52° 45'	90° 30'	Aug 5/71
	Staurastrum			4								
	Tetraëdron											
	Tetrastrum							5	North Spirit Lake	52° 30'	92° 55'	Mar 7/71
	Treubaria						17					
	Ulotrhix											
	Unidentified							6	North Spirit Lake	52° 30'	92° 55'	Aug 7/71

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 71
PHYTOPLANKTON
SEVERN RIVER BASIN

Group	Genus	Column Number						Column Number	Name	Latitude North	Longitude West	Date
		1	2	3	4	5	6					
BLUE GREEN	Anabaena		312	322	28							
	Aphanizomenon			524	24			1	North Spirit Lake	52° 30'	92° 55'	Mar 17/72
	Aphanocapsa		100									
	Aphanothece		14263		150							
	Chroococcus	4		6	3			2	Otter Lake	54° 11'	88° 55'	Aug 11/70
	Coelosphaerium											
	Dactylococcopsis											
	Gloeocapsa							3	Sachigo Lake	53° 45'	92° 05'	Aug 7/71
	Gloeothece											
	Gomphosphaeria	21		32			7					
	Lyngbya		45	412	63			4	Sachigo Lake	53° 45'	92° 05'	Sept 5/70
	Marssoniella											
	Merismopedia	1										
	Microcystis		1095					5	Sandy Lake	53° 00'	93° 00'	Mar 8/71
	Nostoc		67									
	Oscillatoria	P			6							
	Pelodictyon				20			6	Sandy Lake	53° 00'	93° 00'	Aug 7/71
	Pelogloea											
	Phormidium											
	Plectonema											
	Rhabdoderma											
	Spirulina											
	Tetrapedia											
	Unidentified											

Units are given in Areal Standard Units per millilitre
P= Present

TABLE 71 (Con't)
PHYTOPLANKTON

SEVERN RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
DIATOMS	Achnanthes				1			1	North Spirit Lake	52° 30'	92° 55'	Mar 17/72
	Amphiprora											
	Amphora											
	Asterionella			21				2	Otter Lake	54° 11'	88° 55'	Aug 11/70
	Attheya											
	Ceratoneis											
	Cyclotella	P	14	8	8	2	4	3	Sachigo Lake	53° 45'	92° 05'	Aug 7/71
	Cymatopleura				20							
	Cymbella											
	Diatoma							4	Sachigo Lake	53° 45'	92° 05'	Sept 5/70
	Diploneis											
	Epithemia											
	Eunotia							5	Sandy Lake	53° 00'	93° 00'	Mar 8/71
	Fragilaria											
	Gomphonema											
	Gyrosigma		67					6	Sandy Lake	53° 00'	93° 00'	Aug 7/71
	Melosira			7	21		11					
	Navicula				8							
	Nitzschia			33	64							
	Pinnularia											
	Rhizosolenia			2	15							
	Stauroneis											
	Surirella											
	Stephanodiscus											
	Synedra		31	11	11		1					
	Tabellaria		607									

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 71 (Con't)
PHYTOPLANKTON

SEVERN RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6
FLAGELLATES	Carteria	P					
	Ceratiam						
	Chlamydomonas	P	1		2	P	2
	Chlorogonium						
	Cryptomonas	1	33				112
	Dinobryon		18	20	7		
	Euglena						
	Gonium						
	Gymnodinium	1					
	Gyromitus	P					
	Katablepharis	P					
	Lepocinclis						
	Mallomonas						5
	Ochromonas	P					
	Pedinomonas						
	Peridinium						
	Phacotus						
	Phacus						
	Polytoma						
	Rhodomonas	6		1			30
	Salpingoeca						
	Synura						
	Trachelomonas						
	Unidentified						
	Unidentified Chrysomonads	1					
	Unidentified Chrysophytes						

Column Number	Name	Latitude North	Longitude West	Date
1	North Spirit Lake	52° 30'	92° 55'	Mar 17/72
2	Otter Lake	54° 11'	88° 55'	Aug 11/70
3	Sachigo Lake	53° 45'	92° 05'	Aug 7/71
4	Sachigo Lake	53° 45'	92° 05'	Sept 5/70
5	Sandy Lake	53° 00'	93° 00'	Mar 8/71
6	Sandy Lake	53° 00'	93° 00'	Aug 7/71

Units are given in Areal Standard Units per millilitre

TABLE 71 (Con't)
PHYTOPLANKTON

SEVERN RIVER BASIN

Group	Genus	Column Number						Column Number	Name	Latitude North	Longitude West	Date
		1	2	3	4	5	6					
GREEN	Actinastrum											
	Ankistrodesmus	P			3		5	1	North Spirit Lake	52° 30'	92° 55'	Mar 17/72
	Arthrodesmus		3									
	Bitrichia											
	Botryococcus		26					2	Otter Lake	54° 11'	88° 55'	Aug 11/70
	Characium											
	Closterium	1			2		5					
	Coelastrum							3	Sachigo Lake	53° 45'	92° 05'	Aug 5/71
	Cosmarium											
	Crucigenia			12	3		1					
	Desmidium							4	Sachigo Lake	53° 45'	92° 05'	Sept 5/70
	Dictyosphaerium		34	22								
	Elakatothrix			4								
	Euastrum							5	Sandy Lake	53° 00'	93° 00'	Mar 8/71
	Franceia											
	Gloeocystis											
	Golenkinia							6	Sandy Lake	53° 00'	93° 00'	Aug 7/71
	Kirchneriella											
	Lagerheimia	P										
	Micractinium											
	Mougeotia											
	Nephrocytium											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 71 (Con't)
PHYTOPLANKTON

SEVERN RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
GREEN	Oedogonium							1	North Spirit Lake	52° 30'	92° 55'	Mar 17/72
	Oocystis	P	7	12			3					
	Ophiocytium											
	Pediastrum		11					2	Otter Lake	54° 11'	88° 55'	Aug 11/70
	Quadrigula											
	Scenedesmus		116		22							
	Schroederia							3	Sachigo Lake	53° 45'	92° 05'	Aug 7/71
	Selenastrum											
	Sphaerocystis											
	Spondylosium							4	Sachigo Lake	53° 45'	92° 05'	Sept 5/70
	Staurastrum		37									
	Tetraëdron	P	17									
	Tetrastrum							5	Sandy Lake	53° 00'	93° 00'	Mar 8/71
	Treubaria											
	Ulotrhix		190									
	Unidentified							6	Sandy Lake	53° 00'	93° 00'	Aug 7/71

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 72
PHYTOPLANKTON

SEVERN RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
BLUE GREEN	Anabaena		3	4	350	4						
	Aphanizomenon							1	Sandy Lake	53° 00'	93° 00'	Mar 17/72
	Aphanocapsa					5						
	Aphanothece		73	248	2621							
	Chroococcus	P	4	7	406	2		2	Sandy Lake	53° 00'	93° 00'	Sept 20/72
	Coelosphaerium											
	Dactylococcopsis											
	Gloeocapsa							3	Sandybank Lake	54° 50'	89° 40'	Mar 19/72
	Gloeothece											
	Gomphosphaeria		8	11								
	Lyngbya			7	459	1		4	Sandybank Lake	54° 50'	89° 40'	Aug 9/71
	Marssoniella											
	Merismopedia		10		20	P						
	Microcystis			264				5	Sayer Lake	55° 00'	87° 45'	Aug 11/70
	Nostoc											
	Oscillatoria	2	21	27	104	7						
	Pelodictyon											
	Pelogloea											
	Phormidium					1						
	Plectonema											
	Rhabdoderma											
	Spirulina											
	Tetrapedia											
	Unidentified											

Units are given in Areal Standard Units per millilitre
P= Present

TABLE 72 (Con't)
PHYTOPLANKTON

SEVERN RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
DIATOMS	Achnanthes			4								
	Amphiprora							1	Sandy Lake	53° 00'	93° 00'	Mar 17/72
	Amphora											
	Asterionella		1									
	Attheya							2	Sandy Lake	53° 00'	93° 00'	Sept 20/72
	Ceratoneis											
	Cyclotella		3		12	71						
	Cymatopleura							3	Sandybank Lake	54° 50'	89° 40'	Mar 19/72
	Cymbella											
	Diatoma											
	Diploneis							4	Sandybank Lake	54° 50'	89° 40'	Aug 9/71
	Epithemia											
	Eunotia											
	Fragilaria			71		46		5	Sayer Lake	55° 00'	87° 45'	Aug 11/70
	Gomphonema											
	Gyrosigma											
	Melosira		79									
	Navicula			20								
	Nitzschia											
	Pinnularia											
	Rhizosolenia											
	Stauroneis											
	Surirella		3									
	Stephanodiscus											
	Synedra		25	6	315	21						
	Tabellaria	1	65		308	11						

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 72 (Con't)
PHYTOPLANKTON

SEVERN RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6
FLAGELLATES	Carteria		1				
	Ceratiam						
	Chlamydomonas		1	5	3		
	Chlorogonium						
	Cryptomonas	2	5	13	20		
	Dinobryon		6	19			
	Euglena						
	Gonium						
	Gymnodinium						
	Gyromitus						
	Katablepharis						
	Lepocinclis						
	Mallomonas						
	Ochromonas		P	3			
	Pedinomonas						
	Peridinium						
	Phacotus						
	Phacus						
	Polytoma						
	Rhodomonas	1	4	7			
	Salpingoeca						
	Synura						
	Trachelomonas	1		3			
	Unidentified						
	Unidentified Chrysomonads	1	4				
	Unidentified Chrysophytes						

Column Number	Name	Latitude North	Longitude West	Date
1	Sandy Lake	53° 00'	93° 00'	Mar 17/72
2	Sandy Lake	53° 00'	93° 00'	Sept 20/72
3	Sandybank Lake	54° 50'	89° 40'	Mar 19/72
4	Sandybank Lake	54° 50'	89° 40'	Aug 9/71
5	Sayer Lake	55° 00'	87° 45'	Aug 11/70

Units are given in Areal Standard Units per millilitre

TABLE 72 (Con't)
PHYTOPLANKTON

SEVERN RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6
GREEN	Actinastrum						
	Ankistrodesmus	P	14		69	3	
	Arthrodesmus						
	Bitrichia						
	Botryococcus						
	Characium						
	Closterium		16				
	Coelastrum						
	Cosmarium		1				
	Crucigenia		1	1	16	7	
	Desmidium						
	Dictyosphaerium					29	
	Elakatothrix						
	Eustrum						
	Franceia						
	Gloeocystis		14				
	Golenkinia						
	Kirchneriella						
	Lagerheimia		2				
	Micractinium						
	Mougeotia						
	Nephrocytium						

Column Number	Name	Latitude North	Longitude West	Date
1	Sandy Lake	53° 00'	93° 00'	Mar 17/72
2	Sandy Lake	53° 00'	93° 00'	Sept 20/72
3	Sandybank Lake	54° 50'	89° 40'	Mar 19/72
4	Sandybank Lake	54° 50'	89° 40'	Aug 9/71
5	Sayer Lake	55° 00'	87° 45'	Aug 11/70

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 72 (Con't)
PHYTOPLANKTON

SEVERN RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
GREEN	Oedogonium				50			1	Sandy Lake	53° 00'	93° 00'	Mar 17/72
	Oocystis		1		69							
	Ophiocytium											
	Pediastrum					3		2	Sandy Lake	53° 00'	93° 00'	Sept 20/72
	Quadrigula											
	Scenedesmus			4	47	16						
	Schroederia							3	Sandybank Lake	54° 50'	89° 40'	Mar 19/72
	Selenastrum				5							
	Sphaerocystis											
	Spondylosium				20	7		4	Sandybank Lake	54° 50'	89° 40'	Aug 9/71
	Staurastrum		4		50							
	Tetraëdron	2	P		11	5						
	Tetrastrum							5	Sayer Lake	55° 00'	85° 45'	Aug 11/71
	Treubaria											
	Ulotrhix											
	Unidentified											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 73
PHYTOPLANKTON

WINISK RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
BLUE GREEN	Anabaena		755		1			1	Atikameg Lake	54° 15'	88° 22'	Mar 9/71
	Aphanizomenon											
	Aphanocapsa		276			31	2712					
	Aphanothece	55	8756	2325		5668	7913	2	Atikameg Lake	54° 15'	88° 22'	Aug 9/71
	Chroococcus		328	47	P	15	27					
	Coelosphaerium											
	Dactylococcopsis							3	Fog Lake	55° 14'	86° 36'	Aug 4/70
	Gloeocapsa			121			638					
	Gloeothece		1999				393					
	Gomphosphaeria		60			99		4	Ghost Lake	54° 38'	87° 30'	Sept 24/72
	Lyngbya		132			21	17					
	Marssoniella											
	Merismopedia	1		7				5	Hill Lake	54° 34'	87° 22'	Aug 4/70
	Microcystis		2241	91								
	Nostoc					72	367					
	Oscillatoria		49	51		7		6	Hook Lake	54° 37'	86° 56'	Aug 4/70
	Pelodictyon											
	Pelogloea											
	Phormidium											
	Plectonema											
	Rhabdoderma		86									
	Spirulina											
	Tetrapedia											
	Unidentified											

Units are given in Areal Standard Units per millilitre
P= Present

TABLE 73 (Con't)
PHYTOPLANKTON

WINISK RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6
DIATOMS	Achnanthes				P		11
	Amphiprora						
	Amphora						
	Asterionella	5		43		9	
	Attheya						
	Ceratoneis						
	Cyclotella	1	65	15	1	6	
	Cymatopleura						
	Cymbella						
	Diatoma						
	Diploneis						
	Epithemia						
	Eunotia						
	Fragilaria		200	7	4	4	
	Gomphonema						
	Gyrosigma						
	Melosira						
	Navicula	3			P		
	Nitzschia	P	31	8	1	13	17
	Pinnularia						
	Rhizosolenia						
	Stauroneis						
	Surirella						
	Stephanodiscus						
	Synedra		26	19	1	26	16
	Tabellaria	10	57			30	

Column Number	Name	Latitude North	Longitude West	Date
1	Atikameg Lake	54° 15'	88° 22'	Mar 9/71
2	Atikameg Lake	54° 15'	88° 22'	Aug 9/71
3	Fog Lake	55° 14'	86° 36'	Aug 4/70
4	Ghost Lake	54° 38'	87° 30'	Sept 24/72
5	Hill Lake	54° 34'	87° 22'	Aug 4/70
6	Hook Lake	54° 37'	86° 56'	Aug 4/70

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 73 (Con't)
PHYTOPLANKTON

WINISK RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
FLAGELLATES	Carteria											
	Ceratiam							1	Atikameg Lake	54° 15'	88° 22'	Mar 9/71
	Chlamydomonas	2	48	22	P	10	54					
	Chlorogonium	6										
	Cryptomonas	12			1	11		2	Atikameg Lake	54° 15'	88° 22'	Aug 9/71
	Dinobryon			33	4	13	93					
	Euglena							3	Fog Lake	55° 14'	86° 36'	Aug 4/70
	Gonium											
	Gymnodinium				1							
	Gyromitus							4	Ghost Lake	54° 38'	87° 30'	Sept 24/72
	Katablepharis											
	Lepocinclis				1							
	Mallomonas							5	Hill Lake	54° 34'	87° 22'	Aug 4/70
	Ochromonas	1			P	6						
	Pedinomonas											
	Peridinium	3						6	Hook Lake	54° 37'	86° 56'	Aug 4/70
	Phacotus											
	Phacus											
	Polytoma											
	Rhodomonas	2	16		2							
	Salpingoeca				P							
	Synura						5					
	Trachelomonas				1							
	Unidentified					1						
	Unidentified Chrysomonads				10							
	Unidentified Chrysophytes											

Units are given in Areal Standard Units per millilitre

TABLE 73 (Con't)
PHYTOPLANKTON

WINISK RIVER BASIN

Group	Genus	Column Number						Column Number	Name	Latitude North	Longitude West	Date
		1	2	3	4	5	6					
GREEN	Actinastrum							1	Atikameg Lake	54° 15'	88° 22'	May 9/71
	Ankistrodesmus			8	1	3	3					
	Arthrodesmus	1						2	Atikameg Lake	54° 15'	88° 22'	Aug 9/71
	Bitrichia											
	Botryococcus					106	51					
	Characium							3	Fog Lake	55° 14'	86° 36'	Aug 4/70
	Closterium											
	Coelastrum		29		P							
	Cosmarium		34		2	2						
	Crucigenia		96	6	P	6		4	Ghost Lake	54° 38'	87° 30'	Sept 24/72
	Desmidium											
	Dictyosphaerium		126									
	Elakatothrix							5	Hill Lake	54° 34'	87° 22'	Aug 4/70
	Euastrum											
	Franceia											
	Gloeocystis							6	Hook Lake	54° 37'	86° 56'	Aug 4/70
	Golenkinia						3					
	Kirchneriella											
	Lagerheimia				1							
	Micractinium											
	Mougeotia				5							
	Nephrocytium											
	Unknown Green				P							

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 73 (Con't)
PHYTOPLANKTON

WINISK RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
GREEN	Oedogonium		17			2		1	Atikameg Lake	54° 15'	88° 22'	Mar 9/71
	Oocystis		180		P	25						
	Ophiocytium											
	Pediastrum		394	5	1		10	2	Atikameg Lake	54° 15'	88° 22'	Aug 9/71
	Quadrigula											
	Scenedesmus	10	438	10	1	13	14					
	Schroederia							3	Fog Lake	55° 14'	86° 36'	Aug 4/70
	Selenastrum			1								
	Sphaerocystis											
	Spondylosium			6	1			4	Ghost Lake	54° 38'	87° 30'	Sept 24/72
	Staurastrum		45									
	Tetraëdron		23	5	P	2	4					
	Tetrastrum							5	Hill Lake	54° 34'	87° 22'	Aug 4/70
	Treubaria											
	Ulotrhix											
	Unidentified							6	Hook Lake	54° 37'	86° 56'	Aug 4/70

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 74
PHYTOPLANKTON

WINISK RIVER BASIN

Group	Genus	Column Number						Column Number	Name	Latitude North	Longitude West	Date
		1	2	3	4	5	6					
BLUE GREEN	Anabaena	27	21				32					
	Aphanizomenon				1			1	Horseshoe Lake	52° 20'	90° 44'	Sept 19/72
	Aphanocapsa			464								
	Aphanothece	91		2418			17					
	Chroococcus	3		665		1	3	2	Hudson Bay Lake	54° 40'	83° 40'	July 27/70
	Coelosphaerium											
	Dactylococcopsis											
	Gloeocapsa							3	I E O Lake	55° 20'	86° 36'	July 27/70
	Gloeothece											
	Gomphosphaeria						5					
	Lyngbya	1		260	P			4	Kasabonika Lake	53° 35'	88° 30'	Mar 20/72
	Marssoniella											
	Merismopedia		P									
	Microcystis			400				5	Kasabonika Lake	53° 35'	88° 30'	Mar 9/70
	Nostoc											
	Oscillatoria		P	56	P		65					
	Pelodictyon							6	Kasabonika Lake	53° 35'	88° 30'	Aug 5/71
	Pelogloea											
	Phormidium											
	Plectonema											
	Rhabdoderma			4								
	Spirulina											
	Tetrapedia											
	Unidentified											

Units are given in Areal Standard Units per millilitre
P= Present

TABLE 74 (Con't)
PHYTOPLANKTON
WINISK RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6
DIATOMS	Achnanthes			23		P	
	Amphiprora						
	Amphora						
	Asterionella	50			1		17
	Attheya						
	Ceratoneis						
	Cyclotella	8	P	11		P	24
	Cymatopleura						
	Cymbella						1
	Diatoma				P		
	Diploneis						
	Epithemia						
	Eunotia						
	Fragilaria	25					
	Gomphonema					1	
	Gyrosigma						
	Melosira						
	Navicula		2	67			
	Nitzschia					3	
	Pinnularia		5				
	Rhizosolenia	46					
	Stauroneis						
	Surirella						
	Stephanodiscus	36					
	Synedra	14		18			123
	Tabellaria	26		70			

Column Number	Name	Latitude North	Longitude West	Date
1	Horseshoe Lake	52° 20'	90° 44'	Sept 19/72
2	Hudson Bay Lake	54° 40'	83° 40'	July 27/70
3	IEO Lake	55° 20'	86° 36'	July 27/70
4	Kasabonika Lake	53° 35'	88° 30'	Mar 20/72
5	Kasabonika Lake	53° 35'	88° 30'	Mar 9/70
6	Kasabonika Lake	53° 35'	88° 30'	Aug 5/71

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 74 (Con't)
PHYTOPLANKTON

WINISK RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6
FLAGELLATES	Carteria						
	Ceratiam						
	Chlamydomonas	3	106	11		P	26
	Chlorogonium						
	Cryptomonas	13	1		2	2	
	Dinobryon	7		9	1		15
	Epiphytes	P					
	Euglena						
	Gonium						
	Cymnodinium						
	Gyromitus						
	Katablepharis				P		
	Lepocinclis						
	Mallomonas	2					
	Ochromonas			2		1	
	Pedinomonas						
	Peridinium	3			1		21
	Phacotus						
	Phacus						
	Polytoma						
	Rhodomonas	19			P	1	11
	Salpingoeca	P					
	Synura						
	Trachelomonas	2					
	Unidentified						
	Unidentified Chrysomonads	23			5		
	Unidentified Chrysophytes						72

Column Number	Name	Latitude North	Longitude West	Date
1	Horseshoe Lake	52° 20'	90° 44'	Sept 19/72
2	Hudson Bay Lake	54° 40'	83° 40'	July 27/70
3	I. E. O. Lake	55° 20'	86° 36'	July 27/70
4	Kasabonika Lake	53° 35'	88° 30'	Mar 20/72
5	Kasabonika Lake	53° 35'	88° 30'	Mar 9/71
6	Kasabonika Lake	53° 35'	88° 30'	Aug 5/71

Units are given in Areal Standard Units per millilitre

TABLE 74 (Con't)
PHYTOPLANKTON

WINISK RIVER BASIN

Group	Genus	Column Number						Column Number	Name	Latitude North	Longitude West	Date
		1	2	3	4	5	6					
GREEN	Actinastrum											
	Ankistrodesmus	P		22	P		12	1	Horseshoe Lake	52° 20'	90° 44'	Sept 19/72
	Arthrodesmus											
	Bitrichia	2										
	Botryococcus							2	Hudson Bay Lake	54° 40'	83° 40'	July 27/70
	Characium		15									
	Closterium											
	Coelastrum	1						3	I. E. O. Lake	55° 20'	86° 36'	July 27/70
	Cosmarium						9					
	Crucigenia	6		13			5					
	Desmidium							4	Kasabonika Lake	53° 35'	88° 30'	Mar 20/72
	Dictyosphaerium											
	Elakatothrix											
	Eustrum			2				5	Kasabonika Lake	53° 35'	88° 30'	Mar 9/71
	Franceia											
	Gloeocystis											
	Golenkinia	1					1	6	Kasabonika Lake	53° 35'	88° 30'	Aug 5/71
	Kirchneriella											
	Lagerheimia	2										
	Micractinium											
	Mougeotia											
	Nephrocytium											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 74 (Con't)
PHYTOPLANKTON

WINISK RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6
GREEN	Oedogonium			43			
	Oocystis	11		17	P		11
	Ophiocytium						
	Pediastrum						
	Quadrigula						
	Scenedesmus	1	1	32	P	P	
	Schroederia						
	Selenastrum	P					
	Sphaerocystis						
	Spondylosium			8			
	Staurastrum						
	Tetraëdron			2		P	
	Tetrastrum						
	Treubaria						
	Ulotrhix				2		
	Unidentified						

Column Number	Name	Latitude North	Longitude West	Date
1	Horseshoe Lake	52° 20'	90° 44'	Sept 19/72
2	Hudson Bay Lake	54° 40'	83° 40'	July 27/70
3	I. E. O. Lake	55° 20'	86° 36'	July 27/70
4	Kasabonika Lake	53° 35'	88° 30'	Mar 20/72
5	Kasabonika Lake	53° 35'	88° 30'	Mar 9/71
6	Kasabonika Lake	53° 35'	88° 30'	Aug 5/71

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 75
PHYTOPLANKTON

WINISK RIVER BASIN

Group	Genus	Column Number						Column Number	Name	Latitude North	Longitude West	Date
		1	2	3	4	5	6					
BLUE GREEN	Anabaena		12	101		99						
	Aphanizomenon				1			1	Loon Lake	54° 50'	85° 26'	Aug 4/70
	Aphanocapsa		204			1165						
	Aphanothece	4978	69	264		3717	529					
	Chroococcus	579	24	24	1	21	40	2	Nowrs Bog	54° 14'	88° 23'	July 18/70
	Coelosphaerium											
	Dactylococcopsis						11					
	Gloeocapsa							3	Nowrs Bog	54° 14'	88° 23'	July 27/70
	Gloeothece											
	Gomphosphaeria	311	8	39								
	Lyngbya			5		624		4	Shagamu Lake	55° 04'	87° 03'	Mar 9/71
	Marssoniella											
	Merismopedia	1035				2	50					
	Microcystis		100	431		228		5	Shagamu Lake	55° 04'	87° 03'	Aug 11/71
	Nostoc											
	Oscillatoria		11				2					
	Pelodictyon							6	Shagamu Bog	55° 04'	87° 05'	Aug 11/71
	Pelogloea											
	Phormidium											
	Plectonema					29						
	Rhabdoderma	165										
	Spirulina											
	Tetrapedia	71										
	Unidentified											

Units are given in Areal Standard Units per millilitre
P= Present

TABLE 75 (Con't)
PHYTOPLANKTON

WINISK RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
DIATOMS	Achnanthes			P		6	2	1	Loon Lake	54° 50'	85° 26'	Aug 4/70
	Amphiprora											
	Amphora											
	Asterionella			13		54		2	Nowrs Bog	54° 14'	88° 23'	July 18/70
	Attheya											
	Ceratoneis											
	Cyclotella				P	61	16	3	Nowrs Bog	54° 14'	88° 23'	July 27/70
	Cymatopleura											
	Cymbella						4					
	Diatoma							4	Shagamu Lake	55° 04'	87° 03'	Mar 9/71
	Diploneis											
	Epithemia											
	Eunotia							5	Shagamu Lake	55° 04'	87° 03'	Aug 11/71
	Fragilaria											
	Gomphonema											
	Gyrosigma							6	Shagamu Bog	55° 04'	87° 05'	Aug 11/71
	Melosira		22									
	Navicula			3								
	Nitzschia		2	2	62		12					
	Pinnularia											
	Rhizosolenia			31								
	Stauroneis				100							
	Surirella											
	Stephanodiscus											
	Synedra		7	6	45		5					
	Tabellaria			56	420							

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 75 (Con't)
PHYTOPLANKTON

WINISK RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6
FLAGELLATES	Carteria						
	Ceratiam						
	Chlamydomonas	265	6	3	2	8	85
	Chlorogonium						
	Cryptomonas		12	24	10		21
	Dinobryon	631	851	968	P	53	16
	Euglena						
	Gonium						
	Gymnodinium						
	Gyromitus						
	Katablepharis						
	Lepocinclis						
	Mallomonas						
	Ochromonas	96	43	14	2		
	Pedinomonas						
	Peridinium						
	Phacotus						
	Phacus						
	Polytoma						
	Rhodomonas				1		49
	Salpingoeca						
	Synura						
	Trachelomonas				1		
	Unidentified						
	Unidentified Chrysomonads						
	Unidentified Chrysophytes					15	66

Column Number	Name	Latitude North	Longitude West	Date
1	Loon Lake	54° 50'	85° 26'	Aug 4/70
2	Nowrs Bog	54° 14'	88° 23'	July 18/70
3	Nowrs Bog	54° 14'	88° 23'	July 27/70
4	Shagamu Lake	55° 04'	87° 03'	Mar 9/71
5	Shagamu Lake	55° 04'	87° 03'	Aug 11/71
6	Shagamu Bog	55° 04'	87° 05'	Aug 11/71

Units are given in Areal Standard Units per millilitre

TABLE 75 (Con't)
PHYTOPLANKTON

WINISK RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
GREEN	Actinastrum			5				1	Loon Lake	54° 50'	85° 26'	Aug 4/70
	Ankistrodesmus	143	3	2		24	28					
	Arthrodesmus					12						
	Bitrichia							2	Nowrs Bog	54° 14'	88° 23'	July 18/70
	Botryococcus				7		9					
	Characium											
	Closterium		17					3	Nowrs Bog	54° 14'	88° 23'	July 27/70
	Coelastrum	9				30						
	Cosmarium											
	Crucigenia	132	2	3		12	12	4	Shagamu Lake	55° 04'	87° 03'	Mar 9/71
	Desmidium											
	Dictyosphaerium											
	Elakatothrix							5	Shagamu Lake	55° 04'	87° 03'	Aug 11/71
	Eustrum											
	Franceia											
	Gloeocystis							6	Shagamu Bog	55° 04'	87° 05'	Aug 11/71
	Golenkinia					3						
	Kirchneriella					23						
	Lagerheimia											
	Micractinium											
	Mougeotia	2125										
	Nephrocytium											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 75 (Con't)
PHYTOPLANKTON

WINISK RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6
GREEN	Oedogonium		31				
	Oocystis			4		50	3
	Ophiocytium		1	2			
	Pediastrum		2			10	4
	Quadrigula						
	Scenedesmus	45	11	5		76	17
	Schroederia						
	Selenastrum	7					16
	Sphaerocystis						8
	Spondylosium	667					8
	Staurastrum						
	Tetraëdron						10
	Tetrastrum						
	Treubaria						
	Ulotrhix						
	Unidentified						

Column Number	Name	Latitude North	Longitude West	Date
1	Loon Lake	54° 50'	85° 26'	Aug 4/70
2	Nowrs Bog	54° 14'	88° 23'	July 18/70
3	Nowrs Bog	54° 14'	88° 23'	July 27/70
4	Shagamu Lake	55° 04'	87° 03'	Mar 9/71
5	Shagamu Lake	55° 04'	87° 03'	Aug 11/71
6	Shagamu Bog	55° 04'	87° 05'	Aug 11/71

Units are given in Areal Standard Units per millilitre
P : Present

TABLE 76
PHYTOPLANKTON

WINISK RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
BLUE GREEN	Anabaena	2	443		11							
	Aphanizomenon	33	55	1				1	Shell Lake	55° 15'	87° 20'	Sept 24/72
	Aphanocapsa		250									
	Aphanothece		368				3					
	Chroococcus	P	11		39	P		2	Winisk Lake	52° 55'	87° 25'	Aug 12/71
	Coelosphaerium											
	Dactylococcopsis											
	Gloeocapsa							3	Wunnummin Lake	53° 38'	88° 35'	Mar 10/71
	Gloeothece		158									
	Gomphosphaeria		76		20		3					
	Lyngbya		58		44	P	5	4	Wunnummin Lake	53° 38'	88° 35'	Aug 5/71
	Marssoniella											
	Merismopedia											
	Microcystis							5	Wunnummin Lake	53° 38'	88° 35'	Mar 20/72
	Nostoc											
	Oscillatoria		102	2	68	11	4					
	Pelodictyon							6	Hudson Bay Lake	54° 40'	83° 40'	Aug 11/71
	Pelogloea											
	Phormidium											
	Plectonema											
	Rhabdoderma											
	Spirulina											
	Tetrapedia											
	Unidentified											

Units are given in Areal Standard Units per millilitre
P: Present

TABLE 76 (Con't)
PHYTOPLANKTON

WINISK RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
DIATOMS	Achnanthes											
	Amphiprora							1	Shell Lake	55° 15'	87° 20'	Sept 24/72
	Amphora											
	Asterionella		41		41							
	Attheya							2	Winisk Lake	52° 55'	87° 25'	Aug 12/71
	Ceratoneis											
	Cyclotella		16	P	77							
	Cymatopleura							3	Wunnummin Lake	53° 38'	88° 35'	Mar 10/71
	Cymbella		21									
	Diatoma						5					
	Diploneis							4	Wunnummin Lake	53° 38'	88° 35'	Aug 5/71
	Epithemia											
	Eunotia											
	Fragilaria							5	Wunnummin Lake	53° 38'	88° 35'	Mar 20/72
	Gomphonema											
	Gyrosigma											
	Melosira	5	47		74	1		6	Hudson Bay Lake	54° 40'	83° 40'	Aug 11/71
	Navicula						4					
	Nitzschia		9		16		8					
	Pinnularia											
	Rhizosolenia		5		11							
	Stauroneis											
	Surirella											
	Stephanodiscus	P	15									
	Synedra		14		19		1					
	Tabellaria				155							

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 76 (Con't)
PHYTOPLANKTON

WINSK RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6
FLAGELLATES	Carteria						
	Ceratiam						
	Chlamydomonas	P	9	P	101	P	14
	Chlorogonium						
	Cryptomonas	5	9	4	51	5	3
	Dinobryon		26		22	P	
	Euglena					1	
	Gonium						
	Gymnodinium					P	
	Gyromitus						
	Katablepharis					P	
	Lepocinclis						
	Mallomonas						
	Ochromonas			P			
	Pedinomonas						
	Peridinium						
	Phacotus						
	Phacus						
	Polytoma						
	Rhodomonas	2	28	1		4	
	Salpingoeca						
	Synura			P			
	Trachelomonas						2
	Unidentified		8				
	Unidentified Chrysomonads	P				2	
	Unidentified Chrysophytes						

Column Number	Name	Latitude North	Longitude West	Date
1	Shell Lake	55° 15'	87° 20'	Sept 24/72
2	Winisk Lake	52° 55'	87° 25'	Aug 12/71
3	Wunnummin Lake	53° 38'	88° 35'	Mar 10/71
4	Wunnummin Lake	53° 38'	88° 35'	Aug 5/71
5	Wunnummin Lake	53° 38'	88° 35'	Mar 20/72
6	Hudson Bay Lake			Aug 11/72

Units are given in Areal Standard Units per millilitre

TABLE 76 (Con't)
PHYTOPLANKTON

WINISK RIVER BASIN

Group	Genus	Column Number						Column Number	Name	Latitude North	Longitude West	Date
		1	2	3	4	5	6					
GREEN	Actinastrum											
	Ankistrodesmus	1	4		32	1	2	1	Shell Lake	55° 15'	87° 20'	Sept 24/72
	Arthrodesmus											
	Bitrichia											
	Botryococcus		8					2	Winisk Lake	52° 55'	87° 25'	Aug 12/71
	Characium											
	Closterium	P					30					
	Coelastrum	P			8			3	Wunnummin Lake	53° 38'	88° 35'	Mar 10/71
	Cosmarium	P					1					
	Crucigenia	P	4		15							
	Desmidium							4	Wunnummin Lake	53° 88'	88° 35'	Aug 5/71
	Dictyosphaerium											
	Elakatothrix											
	Eustrum						14	5	Wunnummin Lake	53° 88'	88° 35'	Mar 20/72
	Franceia											
	Gloeocystis	1										
	Golenkinia							6	Hudson Bay Lake	54° 40'	83° 40'	Aug 11/71
	Kirchneriella											
	Lagerheimia											
	Micractinium											
	Mougeotia											
	Nephrocytium											
	Unknown Green	3										

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 76 (Con't)
PHYTOPLANKTON

WINISK RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6
GREEN	Oedogonium						21
	Oocystis	2	14		9	P	8
	Ophiocytium						726
	Pediastrum	1					
	Quadrigula						
	Scenedesmus	P			9		129
	Schroederia	1					
	Selenastrum				3		
	Sphaerocystis						
	Spondylosium						
	Staurastrum						
	Tetraëdron						3
	Tetrastrum						
	Treubaria				4		
	Ulotrhix						
	Unidentified						

Column Number	Name	Latitude North	Longitude West	Date
1	Shell Lake	55° 15'	89° 20'	Sept 24/72
2	Winisk Lake	52° 55'	87° 25'	Aug 12/71
3	Wunnummin Lake	53° 38'	88° 35'	Mar 10/71
4	Wunnummin Lake	53° 38'	88° 35'	Aug 5/71
5	Wunnummin Lake	53° 38'	88° 35'	Mar 20/72
6	Hudson Bay Lake	54° 40'	83° 40'	Aug 11/71

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 77
PHYTOPLANKTON

WINISK RIVER BASIN

Group	Genus	Column Number						Column Number	Name	Latitude North	Longitude West	Date
		1	2	3	4	5	6					
BLUE GREEN	Anabaena							1	Shamattawa Lake	54° 25'	85° 40'	Aug 12/71
	Aphanizomenon											
	Aphanocapsa											
	Aphanothece	7112										
	Chroococcus	26										
	Coelosphaerium											
	Dactylococcopsis											
	Gloeocapsa											
	Gloeothece											
	Gomphosphaeria											
	Lyngbya	1172										
	Marssoniella											
	Merismopedia											
	Microcystis											
	Nostoc											
	Oscillatoria	6										
	Pelodictyon											
	Pelogloea											
	Phormidium											
	Plectonema											
	Rhabdoderma											
	Spirulina											
	Tetrapedia											
	Unidentified											

Units are given in Areal Standard Units per millilitre
P= Present

TABLE 77 (Con't)
PHYTOPLANKTON

WINISK RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
DIATOMS	Achnanthes							1	Shamattawa Lake	54° 25'	85° 40'	Aug 12/71
	Amphiprora											
	Amphora											
	Asterionella											
	Attheya											
	Ceratoneis											
	Cyclotella	2										
	Cymatopleura											
	Cymbella											
	Diatoma											
	Diploneis											
	Epithemia											
	Eunotia											
	Fragilaria											
	Gomphonema											
	Gyrosigma											
	Melosira											
	Navicula	1										
	Nitzschia	9										
	Pinnularia											
	Rhizosolenia											
	Stauroneis											
	Surirella											
	Stephanodiscus											
	Synedra	6										
	Tabellaria	5										

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 77 (Con')
PHYTOPLANKTON

WINISK RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
FLAGELLATES	Carteria											
	Ceratiam							1	Shamattawa Lake	54° 25'	85° 40'	Aug 12/71
	Chlamydomonas	11										
	Chlorogonium											
	Cryptomonas	20										
	Dinobryon	5										
	Euglena											
	Gonium											
	Gymnodinium											
	Gyromitus											
	Katablepharis											
	Lepocinclis											
	Mallomonas											
	Ochromonas											
	Pedinomonas											
	Peridinium											
	Phacotus											
	Phacus											
	Polytoma											
	Rhodomonas	2										
	Salpingoeca											
	Synura											
	Trachelomonas	P										
	Unidentified											
	Unidentified Chrysomonads											
	Unidentified Chrysophytes											

Units are given in Areal Standard Units per millilitre

TABLE 77 (Con't)
PHYTOPLANKTON
WINISK RIVER BASIN

Group	Genus	Column Number						Column Number	Name	Latitude North	Longitude West	Date
		1	2	3	4	5	6					
GREEN	Actinastrum											
	Ankistrodesmus	1						1	Shamattawa Lake	54° 25'	85° 40'	Aug 12/71
	Arthrodesmus											
	Bitrichia											
	Botryococcus											
	Characium											
	Closterium	1										
	Coelastrum											
	Cosmarium											
	Crucigenia	1										
	Desmidium											
	Dictyosphaerium											
	Elakatothrix											
	Eustrum											
	Franceia											
	Gloeocystis											
	Golenkinia											
	Kirchneriella											
	Lagerheimia											
	Micractinium											
	Mougeotia											
	Nephrocytium											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 77 (Con't)
PHYTOPLANKTON

WINISK RIVER BASIN

Group	Genus	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
GREEN	Oedogonium											
	Oocystis	2						1	Shamattawa Lake	54° 25'	85° 40'	Aug 12/71
	Ophiocytium											
	Pediastrum											
	Quadrigula											
	Scenedesmus	2										
	Schroederia											
	Selenastrum											
	Sphaerocystis											
	Spondylosium											
	Staurastrum											
	Tetraëdron											
	Tetrastrum											
	Treubaria											
	Ulotrhix											
	Unidentified											

Units are given in Areal Standard Units per millilitre
P = Present

ZOOPLANKTON TABLES

TABLE 78
ZOOPLANKTON

PHYLUM Arthropoda
CLASS Crustacea
ORDER Copepoda

ALBANY RIVER BASIN

GENUS	SPECIES	Column Number 1	2	3	4	5	6
SUB-ORDER Calanoida							
Diaptomus	oregonensis	18	1		9		
Diaptomus	minutus	3			5		
diaptomus	sicilis						
Diaptomus	ashlandi						
Diaptomus	sp.	50	9	12	14		
Epischura	lacustris	2	1		12		
Limnocalanus	macrurus						
SUB-ORDER Harpacticoida							
Canthocamptus	oregonensis						
SUB-ORDER Cyclopoida							
Cyclops	bicuspidatus thomasi	30	23	10	25		
Cyclops	vernalis				2		
Cyclops	scutifer			1			
Cyclops	sp.	35	38		60		
Mesocyclops	edax		30				
Mesocyclops	leuckarti	5					
Eucyclops	agilis						
Tropocyclops	prasinus mexicanus						
Macrocyclops	alter						
Macrocyclops	albidus						
Immature	copepods = nauplii	3	8	90	11		
Ergasilus	sp. (parasitic copepod)						
Volume of water sampled in litres		147.9	27.5	17.2	230.5		

Column Number	Name	Latitude North	Longitude West	Date
1	Keezhik Lake	51° 45'	88° 30'	Aug. 5/71
2	Lorenz Lake	51° 54'	85° 18'	Aug. 4/71
3	Lingen Lake	51° 55'	85° 15'	Jun. 14/71
4	Troutfly Lake	51° 42'	88° 55'	Aug. 5/71

PHYLUM Arthropoda
CLASS Crustacea
ORDER Cladocera

TABLE 78
ZOOPLANKTON

ALBANY RIVER BASIN

GENUS	SPECIES	Column Number 1	2	3	4	5	6
Acroperus	harpae						
Alona	affinis						
Alona	guttata						
Alona	sp.						
Allonella	sp.						
Bosmina	sp.	2	3	3	15		
Canthocamptus	oregonensis						
Ceriodaphnia	lacustris		1				
Ceriodaphnia	reticulata						
Ceriodaphnia	sp.						
Chydorus	sphaericus	1	2		11		
Daphnia	catawba						
Daphnia	galeata mendotae	25	54	4	11		
Daphnia	longiremis	28			23		
Daphnia	middendorffiana						
Daphnia	pulex						
Daphnia	retrocurva	1	4		15		
Daphnia	rosea						
Daphnia	sp.						
Diaphanosoma	leuchtenbergianum	4	12				
Eurycercus	lamellatus						
Holopedium	gibberum			1			
Leptodora	kindtii	1	1		1		
Macrothrix	sp.						
Ophryoxus	gracilis						
Pleuroxus	sp.						
Polyphemus	pediculus						
Rhynchotalona	falcata						
Sida	crystallina						
Streblocerus	serricaudatus						
Volume of water sampled in litres		147.9	27.5	17.2	230.5		

Column Number	Name	Latitude North	Longitude West	Date
1	Keezhik Lake	51° 45'	88° 30'	Aug. 5/71
2	Lorenz Lake	51° 45'	85° 18'	Aug. 14/71
3	Lingen Lake	51° 55'	85° 15'	June. 14/71
4	Troutfly Lake	51° 42'	88° 55'	Aug. 5/71

TABLE 79
ZOOPLANKTON

PHYLUM Arthropoda
CLASS Crustacea
ORDER Copepoda

ATTAWAPISKAT LAKE

GENUS	SPECIES	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
SUB-ORDER Calanoida												
Diaptomus	oregonensis	1						1	Attawapiskat Lake	52° 15'	87° 55'	Aug. 5/71
Diaptomus	minutus	10										
diaptomus	sicilis	5										
Diaptomus	ashlandi	2						2	Menako Lake	52° 03'	90° 18'	Aug. 5/71
Diaptomus	sp.	10	1									
Epischura	lacustris	5										
Limnocalanus	macrurus											
SUB-ORDER Harpacticoida												
Canthocamptus	oregonensis											
SUB-ORDER Cyclopoida												
Cyclops	bicuspidatus thomasi	23	7									
Cyclops	vernalis											
Cyclops	scutifer											
Cyclops	sp.	18										
Mesocyclops	edax	5	3									
Mesocyclops	leuckarti											
Eucyclops	agilis											
Tropocyclops	prasinus mexicanus											
Macrocyclops	alter											
Macrocyclops	albidus											
Immature	copepods = nauplii	15	2									
Ergasilus	sp. (parasitic copepod)											
Volume of water sampled in litres		61.9	37.8									

PHYLUM Arthropoda
CLASS Crustacea
ORDER Cladocera

TABLE 77 (Con't)
ZOOPLANKTON

ATTAWAPISKAT RIVER BASIN

GENUS	SPECIES	Column Number 1	2	3	4	5	6
Acroperus	harpae						
Alona	affinis						
Alona	guttata						
Alona	sp.						
Allonella	sp.						
Bosmina	sp.		10				
Canthocamptus	oregonensis						
Ceriodaphnia	lacustris						
Ceriodaphnia	reticulata						
Ceriodaphnia	sp.						
Chydorus	sphaericus		33				
Daphnia	catawba						
Daphnia	galeata mendotae	5					
Daphnia	longiremis	1					
Daphnia	middendorffiana						
Daphnia	pulex						
Daphnia	retrocurva		1				
Daphnia	rosea						
Daphnia	sp.						
Diaphanosoma	leuchtenbergianum	1					
Eurycercus	lamellatus						
Holopedium	gibberum		23				
Leptodora	kindtii		10				
Macrothrix	sp.						
Ophryoxus	gracilis						
Pleuroxus	sp.						
Polyphemus	pediculus						
Rhynchotalona	falcata						
Sida	crystallina						
Streblocerus	serricaudatus						
Volume of water sampled in litres		61.9	37.8				

Column Number	Name	Latitude North	Longitude West	Date
1	Attawapiskat Lake	52° 15'	87° 55'	Aug. 5/71
2	Menaco Lake	52° 03'	90° 18'	Aug. 5/71

TABLE 80
ZOOPLANKTON

PHYLUM Arthropoda
CLASS Crustacea
ORDER Copepoda

EKWAN RIVER BASIN

GENUS	SPECIES	Column Number 1	2	3	4	5	6	Column Number	Name	Latitude North	Longitude West	Date
SUB-ORDER Calanoida												
Diaptomus	oregonensis	3						1	Boulanger Lake	54° 40'	83° 15'	Aug. 11/71
Diaptomus	minutus											
diaptomus	sicilis											
Diaptomus	ashlandi											
Diaptomus	sp.											
Epischura	lacustris											
Limnocalanus	macrurus											
SUB-ORDER Harpacticoida												
Canthocamptus	oregonensis											
SUB-ORDER Cyclopoida												
Cyclops	bicuspidatus thomasi											
Cyclops	vernalis	4										
Cyclops	scutifer											
Cyclops	sp.	3										
Mesocyclops	edax											
Mesocyclops	leuckarti											
Eucyclops	agilis											
Tropocyclops	prasinus mexicanus											
Macrocyclops	alter											
Macrocyclops	albidus											
Immature	copepods = nauplii											
Ergasilus	sp. (parasitic copepod)											
Volume of water sampled in litres		20.6										

PHYLUM Arthropoda
CLASS Crustacea
ORDER Cladocera

TABLE 80 (Con't)
ZOOPLANKTON

EKWAN RIVER BASIN

GENUS	SPECIES	Column Number 1	2	3	4	5	6
Acroperus	harpae						
Alona	affinis						
Alona	guttata						
Alona	sp.						
Allonella	sp.						
Bosmina	sp.						
Canthocamptus	oregonensis						
Ceriodaphnia	lacustris						
Ceriodaphnia	reticulata						
Ceriodaphnia	sp.						
Chydorus	sphaericus	2					
Daphnia	catawba						
Daphnia	galeata mendotae						
Daphnia	longiremis						
Daphnia	middendorffiana						
Daphnia	pulex	9					
Daphnia	retrocurva						
Daphnia	rosea						
Daphnia	sp.						
Diaphanosoma	leuchtenbergianum						
Eurycercus	lamellatus						
Holopedium	gibberum						
Leptodora	kindtii						
Macrothrix	sp.						
Ophryoxus	gracilis						
Pleuroxus	sp.						
Polyphemus	pediculus						
Rhynchotalona	falcata						
Sida	crystallina						
Streblocerus	serricaudatus						
Volume of water sampled in litres		20.6					

Column Number	Name	Latitude North	Longitude West	Date
1	Boulanger Lake	54° 40'	83° 15'	Aug. 11/71

TABLE 81
ZOOPLANKTON

PHYLUM Arthropoda
CLASS Crustacea
ORDER Copepoda

SEVERN RIVER BASIN

GENUS	SPECIES	Column Number 1	2	3	4	5	6
SUB-ORDER Calanoida							
Diaptomus	oregonensis	11	3		15	2	
Diaptomus	minutus		3		15	1	
diaptomus	sicilis						20
Diaptomus	ashlandi				1		13
Diaptomus	sp.		2	4	175	3	
Epischura	lacustris	1	7		5		
Limnocalanus	macrurus						
SUB-ORDER Harpacticoida							
Canthocamptus	oregonensis						
SUB-ORDER Cyclopoida							
Cyclops	bicuspidatus thomasi	16	110	1	25	3	7
Cyclops	vernalis		15	1	1		
Cyclops	scutifer						
Cyclops	sp.	6	10	6	80	13	31
Mesocyclops	edax			1	12	1	5
Mesocyclops	leuckarti						
Eucyclops	agilis						
Tropocyclops	prasinus mexicanus						
Macrocyclops	alter						
Macrocyclops	albidus						
Immature	copepods = nauplii	1	2	6			12
Ergasilus	sp. (parasitic copepod)						
Volume of water sampled in litres		31.0	258.0	13.8	206.4	20.6	172.0

Column Number	Name	Latitude North	Longitude West	Date
1	Agusk Lake	54° 38'	89° 30'	Aug. 9/71
2	Big Trout Lake	53° 45'	90° 00'	Aug. 6/71
3	Big Trout Lake Bog	53° 51'	89° 53'	Aug. 8/71
4	Deer Lake	52° 42'	94° 30'	Aug. 9/71
5	J.E.N. Lake	55° 13'	87° 50'	Aug. 9/71
6	Kaness Lake	52° 31'	92° 30'	Aug. 7/71

PHYLUM Arthropoda
CLASS Crustacea
ORDER Cladocera

TABLE 81 (Con't)
ZOOPLANKTON

SEVERN RIVER BASIN

GENUS	SPECIES	Column Number 1	2	3	4	5	6
Acroperus	harpae						
Alona	affinis						
Alona	guttata						
Alona	sp.						
Allonella	sp.						
Bosmina	sp.	4	15	66	8	2	1
Canthocamptus	oregonensis						
Ceriodaphnia	lacustris	1		13			
Ceriodaphnia	reticulata			1			
Ceriodaphnia	sp.			1			
Chydorus	sphaericus	4	5		13		
Daphnia	catawba						
Daphnia	galeata mendotae	37	25		12	2	53
Daphnia	longiremis		80				
Daphnia	middendorffiana				18		
Daphnia	pulex						
Daphnia	retrocurva	1	1		14		1
Daphnia	rosea			1			
Daphnia	sp.			1	12		
Diaphanosoma	leuchtenbergianum						
Eurycercus	lamellatus						
Holopedium	gibberum				1		
Leptodora	kindtii			1	1		
Macrothrix	sp.						
Ophryoxus	gracilis						
Pleuroxus	sp.						
Polyphemus	pediculus			2			
Rhynchotalona	falcata						
Sida	crystallina						
Streblocerus	serricaudatus						
Volume of water sampled in litres		31.0	258.0	13.8	206.4	20.6	172.0

Column Number	Name	Latitude North	Longitude West	Date
1	Agusk Lake	54° 38'	89° 30'	Aug. 9/71
2	Big Trout Lake	53° 45'	90° 00'	Aug. 6/71
3	Big Trout Lake Bog	53° 51'	89° 53'	Aug. 8/71
4	Deer Lake	52° 42'	94° 30'	Aug. 9/71
5	J.E.N. Lake	55° 13'	87° 50'	Aug. 9/71
6	Kaness Lake	52° 31'	92° 30'	Aug. 7/71

TABLE 82
ZOOPLANKTON

PHYLUM Arthropoda
CLASS Crustacea
ORDER Copepoda

SEVERN RIVER BASIN

GENUS	SPECIES	Column Number 1	2	3	4	5	6
SUB-ORDER Calanoida							
Diaptomus	oregonensis		2		16		1
Diaptomus	minutus			1			
diaptomus	sicilis	1					
Diaptomus	ashlandi	1	35		12	11	
Diaptomus	sp.	3	16	8	27	23	5
Epischura	lacustris	1	3	6	5	2	
Limnocalanus	macrurus			1			
SUB-ORDER Harpacticoida							
Canthocamptus	oregonensis						
SUB-ORDER Cyclopoida							
Cyclops	bicuspidatus thomasi	1	10	93	17	3	17
Cyclops	vernalis		1			1	
Cyclops	scutifer						
Cyclops	sp.	19		71		2	25
Mesocyclops	edax						
Mesocyclops	leuckarti			1			
Eucyclops	agilis						
Tropocyclops	prasinus mexicanus						
Macrocyclops	alter						
Macrocyclops	albidus						
Immature	copepods = nauplii	1	1	5	3	1	
Ergasilus	sp. (parasitic copepod)						
Volume of water sampled in litres		34.4	86.0	192.6	34.4	103.2	20.6

Column Number	Name	Latitude North	Longitude West	Date
1	Nikip Lake	52° 55'	91° 56'	Aug. 7/71
2	North Caribou Lake	52° 45'	90° 30'	Aug. 5/71
3	North Spirit Lake	52° 30'	92° 55'	Aug. 7/71
4	Sachigo Lake	53° 45'	92° 05'	Aug. 7/71
5	Sandy Lake	53° 00'	93° 00'	Aug. 7/71
6	Sandybank Lake	54° 50'	89° 40'	Aug. 7/71

PHYLUM Arthropoda
CLASS Crustacea
ORDER Cladocera

TABLE 82 (Con't)
ZOOPLANKTON

SEVERN RIVER BASIN

GENUS	SPECIES	Column Number 1	2	3	4	5	6
Acroperus	harpae						
Alona	affinis						
Alona	guttata						
Alona	sp.						
Allonella	sp.						
Bosmina	sp.		2	4	1	1	1
Canthocamptus	oregonensis	1					
Ceriodaphnia	lacustris						1
Ceriodaphnia	reticulata						
Ceriodaphnia	sp.						
Chydorus	sphaericus	8	15		3		945
Daphnia	catawba						
Daphnia	galeata mendotae	7	11	130	8	29	
Daphnia	longiremis				1		
Daphnia	middendorffiana						
Daphnia	pulex						
Daphnia	retrocurva			6	16	3	
Daphnia	rosea						
Daphnia	sp.						
Diaphanosoma	leuchtenbergianum	2			5		
Eurycercus	lamellatus						
Holopedium	gibberum					6	3
Leptodora	kindtii	6					2
Macrothrix	sp.						
Ophryoxus	gracilis						3
Pleuroxus	sp.						
Polyphemus	pediculus						
Rhynchotalona	falcata						
Sida	crystallina						
Streblocerus	serricaudatus						
Volume of water sampled in litres		34.4	86.0	192.6	34.4	103.2	20.6

Column Number	Name	Latitude North	Longitude West	Date
1	Nikip Lake	52° 55'	91° 56'	Aug. 7/71
2	North Caribou Lake	52° 45'	90° 30'	Aug. 5/71
3	North Spirit Lake	52° 30'	92° 55'	Aug. 7/71
4	Sachigo Lake	53° 45'	92° 05'	Aug. 7/71
5	Sandy Lake	53° 00'	93° 00'	Aug. 7/71
6	Sandybank Lake	54° 50'	89° 40'	Aug. 7/71

TABLE 83
ZOOPLANKTON

PHYLUM Arthropoda
CLASS Crustacea
ORDER Copepoda

WINISK RIVER BASIN

GENUS	SPECIES	Column Number 1	2	3	4	5	6
SUB-ORDER Calanoida							
Diaptomus	oregonensis	5	4	15		26	3
Diaptomus	minutus		4	11			
diaptomus	sicilis				14		
Diaptomus	ashlandi					15	
Diaptomus	sp.	14	55	11	17	18	
Epischura	lacustris		7		2	4	
Limnocalanus	macrurus					19	
SUB-ORDER Harpacticoida							
Canthocamptus	oregonensis						
SUB-ORDER Cyclopoida							
Cyclops	bicuspidatus thomasi	16	15		77	11	23
Cyclops	vernalis		11		6		
Cyclops	scutifer						
Cyclops	sp.	16	128	7		70	
Mesocyclops	edax					9	
Mesocyclops	leuckarti				1		
Eucyclops	agilis						
Tropocyclops	prasinus mexicanus						
Macrocyclops	alter						
Macrocyclops	albidus						
Immature	copepods = nauplii		28	31	6	23	
Ergasilus	sp. (parasitic copepod)						
Volume of water sampled in litres		24.1	20.6	17.2	96.3	227.0	41.3

Column Number	Name	Latitude North	Longitude West	Date
1	Atkameg Lake	54° 15'	88° 22'	Aug. 9/71
2	Shagamu Lake	54° 04'	87° 03'	Aug. 11/71
3	Shagamu Lake Bog	55° 04'	87° 05'	Aug. 11/71
4	Winisk Lake	52° 55'	87° 25'	Aug. 12/71
5	Wunnummin Lake	53° 38'	88° 35'	Aug. 5/71
6	Kasabonika Lake	53° 35'	88° 30'	Aug. 4/71

PHYLUM Arthropoda
CLASS Crustacea
ORDER Cladocera

TABLE 83 (Con't)
ZOOPLANKTON

WINISK RIVER BASIN

GENUS	SPECIES	Column Number 1	2	3	4	5	6
Acroperus	harpae			1			
Alona	affinis						
Alona	guttata						
Alona	sp.						
Allonella	sp.						
Bosmina	sp.	220	51	13	1	5	1
Canthocamptus	oregonensis						
Ceriodaphnia	lacustris						
Ceriodaphnia	reticulata						
Ceriodaphnia	sp.						
Chydorus	sphaericus		72	5	50	4	19
Daphnia	catawba						
Daphnia	galeata mendotae				70	29	5
Daphnia	longiremis				3		
Daphnia	middendorffiana						
Daphnia	pulex						
Daphnia	retrocurva				35	6	1
Daphnia	rosea						
Daphnia	sp.						
Diaphanosoma	leuchtenbergianum	13			4	1	
Eurycercus	lamellatus						
Holopedium	gibberum	1	8				3
Leptodora	kindtii				1		
Macrothrix	sp.						
Ophryoxus	gracilis						
Pleuroxus	sp.						
Polyphemus	pediculus						
Rhynchotalona	falcata						
Sida	crystallina						2
Streblocerus	serricaudatus						
Volume of water sampled in litres		24.1	20.6	17.2	96.3	227.0	41.3

Column Number	Name	Latitude North	Longitude West	Date
1	Atkameg Lake	54° 15'	88° 22'	Aug. 9/71
2	Shagamu Lake	54° 04'	87° 03'	Aug. 11/71
3	Shagamu Lake Bog	54° 04	87° 05'	Aug. 11/71
4	Winisk Lake	52° 55'	87° 25'	Aug. 12/71
5	Wunnummin Lake	53° 38'	88° 35'	Aug. 5/71
6	Kasabonika Lake	53° 35'	88° 30'	Aug. 4/71

TABLE 84
ZOOPLANKTON

PHYLUM Arthropoda
CLASS Crustacea
ORDER Copepoda

WINISK RIVER BASIN

GENUS	SPECIES	Column Number 1	2	3	4	5	6
SUB-ORDER Calanoida							
Diaptomus	oregonensis	4					
Diaptomus	minutus						
diaptomus	sicilis						
Diaptomus	ashlandi						
Diaptomus	sp.						
Epischura	lacustris						
Limnocalanus	macrurus						
SUB-ORDER Harpacticoida							
Canthocamptus	oregonensis						
SUB-ORDER Cyclopoida							
Cyclops	bicuspidatus thomasi	6					
Cyclops	vernalis						
Cyclops	scutifer						
Cyclops	sp.						
Mesocyclops	edax						
Mesocyclops	leuckarti						
Eucyclops	agilis						
Tropocyclops	prasinus mexicanus						
Macrocyclops	alter						
Macrocyclops	albidus						
Immature	copepods = nauplii	1					
Ergasilus	sp. (parasitic copepod)						
Volume of water sampled in litres		34.4					

Column Number	Name	Latitude North	Longitude West	Date
1	Shamattawa Lake	54° 25'	85° 40'	Aug. 12/71

PHYLUM Arthropoda
CLASS Crustacea
ORDER Cladocera

TABLE 84 (Con't)
ZOOPLANKTON

WINISK RIVER BASIN

GENUS	SPECIES	Column Number 1	2	3	4	5	6
Acroperus	harpae	1					
Alona	affinis						
Alona	guttata						
Alona	sp.						
Allonella	sp.						
Bosmina	sp.	4					
Canthocamptus	oregonensis						
Ceriodaphnia	lacustris						
Ceriodaphnia	reticulata						
Ceriodaphnia	sp.						
Chydorus	sphaericus	4					
Daphnia	catawba						
Daphnia	galeata mendotae						
Daphnia	longiremis						
Daphnia	middendorffiana	3					
Daphnia	pulex						
Daphnia	retrocurva						
Daphnia	rosea						
Daphnia	sp.						
Diaphanosoma	leuchtenbergianum						
Eurycercus	lamellatus						
Holopedium	gibberum						
Leptodora	kindtii						
Macrothrix	sp.						
Ophryoxus	gracilis						
Pleuroxus	sp.						
Polyphemus	pediculus						
Rhynchotalona	falcata						
Sida	crystallina	2					
Streblocerus	serricaudatus						
Volume of water sampled in litres		34.4					

Column Number	Name	Latitude North	Longitude West	Date
1	Shamattawa Lake	54°25'	85° 40'	Aug. 12/71

HEAVY METAL ANALYSIS

TABLE 85
HEAVY METAL ANALYSES

ALBANY RIVER BASIN

NAME	Latitude North	Longitude West	Date	Cadmium Cd ppm	Cobalt Co ppm	Copper Cu ppm	Lead Pb ppm	Manganese Mn ppm	Mercury Hg ppb	Nickel Ni ppm	Zinc Zn ppm
Albany River at Achapi Lake	51°13'	89°36'	12 Oct. 71	<0.02	<0.06	<0.06	-	<0.04	<0.02	0.10	0.04
Albany River at Fort Albany	52°14'	81°42'	24 Mar. 72	<0.002	<0.006	<0.005	<0.010	<0.005	<0.6	<0.005	<0.010
Miminiska Lake	51°35'	88°37'	16 Mar. 72	<0.003	<0.008	0.042	<0.17	<0.007	<0.6	<0.008	0.033
Kabinakagmi River at Hwy.#11	49°45'	84°09'		<0.04	<0.12	<0.12	-	<0.08	<0.2	<0.10	0.04
Whitestone Lake on the Albany River	51°57'	91°57'	12 Oct. 71	<0.02	<0.06	<0.06	-	<0.04	<0.2	0.12	0.05

TABLE 86
HEAVY METAL ANALYSES

ATTAWAPISKAT RIVER BASIN

NAME	Latitude North	Longitude West	Date	Cadmium Cd ppm	Cobalt Co ppm	Copper Cu ppm	Lead Pb ppm	Manganese Mn ppm	Mercury Hg ppb	Nickel Ni ppm	Zinc Zn ppm
Attawapiskat River at Attawapiskat	52°56'	82°26'	24 Mar. 72	<0.002	<0.006	<0.006	<0.010	<0.005	<0.6	<0.005	<0.010
Ostoskwin River at Bow Lake	51°39'	90°18'	17 Mar. 72	<0.002	<0.006	<0.005	<0.010	0.030	<0.6	<0.005	<0.010

TABLE 87
HEAVY METAL ANALYSES
MOOSE RIVER BASIN

NAME	Latitude North	Longitude West	Date	Cadmium Cd ppm	Cobalt Co ppm	Copper Cu ppm	Lead Pb ppm	Manganese Mn ppm	Mercury Hg ppb	Nickel Ni ppm	Zinc Zn ppm
Abitibi River at Pierre Lake	49°31'	80°45'	24 Mar. 71	<0.002	<0.006	<0.005	<0.010	<0.005	<0.6	<0.005	<0.010
Groundhog River at Hwy. #11	49°19'	82°03'	29 Sep. 71	<0.02	<0.06	<0.06	-	<0.04	<0.2	0.13	0.04
Missinabi River at Hwy. #11	49°37'	83°17'	1 Oct. 71	0.04	<0.12	<0.12	-	<0.08	<0.2	0.10	0.08
Moose River at Abitibi	51°08'	80°52'	24 Mar. 71	<0.002	<0.006	0.014	<0.010	0.027	<0.6	<0.005	0.013
Opastika River at Hwy. #11	49°32'	82°52'	24 Mar. 71	<0.002	<0.006	<0.005	<0.010	0.010	<0.6	<0.010	<0.010

TABLE 88
HEAVY METAL ANALYSES

SEVERN RIVER BASIN

NAME	Latitude North	Longitude West	Date	Cadmium Cd ppm	Cobalt Co ppm	Copper Cu ppm	Lead Pb ppm	Manganese Mn ppm	Mercury Hg ppb	Nickel Ni ppm	Zinc Zn ppm
North Spirit Lake	52°31'	92°55'	17 Mar. 72	<0.002	<0.006	<0.005	<0.010	<0.005	<0.6	<0.005	<0.010
Sandy Lake	53°02'	93°00'	17 Mar. 72	<0.002	<0.006	<0.005	0.019	0.021	<0.6	<0.005	0.02
Severn River at Beaver River	55°55'	87°45'	17 Mar. 72	<0.002	<0.006	<0.005	0.016	0.008	<0.6	<0.005	0.037

TABLE 89
HEAVY METAL ANALYSES
WINISK RIVER BASIN

NAME	Latitude North	Longitude West	Date	Cadmium Cd ppm	Cobalt Co ppm	Copper Cu ppm	Lead Pb ppm	Manganese Mn ppm	Mercury Hg ppb	Nickel Ni ppm	Zinc Zn ppm
Horseshoe Lake	52°15'	90°46'	17 Mar. 72	<0.002	<0.006	<0.005	0.022	0.036	<0.6	<0.005	0.026
Winisk Lake	52°55'	87°22'	12 Aug. 71	<0.02	<0.06	<0.06	-	<0.04	<0.2	0.16	0.05
Winisk River above Pikwakwud Creek	54°38'	87°16'	19 Mar. 72	<0.002	<0.006	<0.005	<0.010	0.007	<0.6	<0.005	0.010
Winisk River at Winisk	55°15'	85°12'		<0.04	<0.12	<0.12	-	<0.08	<0.2	0.10	0.08

PHYSICAL PARAMETERS

TABLE 90

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

ALBANY RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Keezhik Lake	51° 45'	88° 30'	21 June 70	<2.0	3.4	16.8	10.7	13.3	4.2	14	8.2
			29 June 70	<2.0	3.8	13.7	11.9	15	7.3	17	8.6
			20 July 70	1.6	3.2	13.4	11.6	17	6.1	19	9.1
			31 July 70	1.7		15.0	13.4	16	2.4	20	8.3
			7 Aug 70	1.1	3.1	15.0	13.7	19	7.2	21	8.3
			13 Aug 70	0.8	3.2	17.4	16.2	15	0.3	23	8.2
			2 Sept 70	0.6	2.4	13.1	11.3	16	8.9	17	9.3
			13 Sept 70	2.2	1.8	16.1	14.0	13	9.2	13	7.3
			25 Sept 70	0.9	2.3	17.4	15.5	11	9.2	11	9.6
			6 Oct 70	0.3	2.3	13.7	11.9	9	9.9	9	10.4

TABLE 91

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

ALBANY RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Troutfly Lake	51°42'	88° 55'	21 June 70	<2.0	4.7	16.1	15.2	11	9.2	13	8.5
			29 June 70	<2.0	5.9	13.3	12.2	15	8.2	16	9.0
			20 July 70	1.0	7.0	15.0	13.1	16	8.0	19	9.4
			31 July 70	1.0	5.5	23.2	21.3	20	8.3	20	8.5
			7 Aug 70	1.1	5.5	21.0	19.2	19	8.1	21	8.2
			13 Aug 70	0.8	7.6	18.0	17.1	19	6.8	22	8.3
			2 Sept 70	1.1	3.9	21.6	19.8	16	7.8	17	9.1
			13 Sept 70	0.3	3.9	18.9	17.1	14	7.5	14	9.9
			25 Sept 70	0.6	3.7	22.9	21.1	12	8.7	12	9.4
			6 Oct 70	0.3	3.9	20.7	18.9	10	10.3	10	10.0

TABLE 92

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

ALBANY RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Bluejay Lake	50° 02'	84° 08'	11 June 71	0.4	3.7	15.5	13.7	9	4.5	16	8.7
			23 June 71	0.4	5.5	12.8	11.0	10	4.8	19	8.4
			1 July 71	0.2	5.2	14.6	12.8	9	4.7	20	8.0
			18 July 71	0.4	4.1	16.1	14.6	9	4.8	18	8.5
			27 July 71	0.3	4.0	15.8	14.0	11	4.2	18	8.0
			15 Aug 71	0.4	4.0	17.4	15.5	11	4.1	19	7.7
			28 Aug 71	0.5	4.3	14.9	13.11	11	4.1	18	7.8
			9 Sept 71	0.4	4.3	14.0	12.5	10	3.2	19	8.5
			27 Sept 71	0.4	6.3	17.4	15.5	10	22	13	8.5

TABLE 93

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA)

ALBANY RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Bluegoose Lake	50° 00'	84° 08'	11 June 71	0.5	2.0	2.4				18	7.4
			23 June 71	1.6	1.5	1.5				19	8.8
			1 July 71	1.6	1.5	1.5				21	8.1
			18 July 71	1.8	1.5	1.5				19	9.0
			27 July 71	1.4	2.1	3.0				18	8.0
			15 Aug 71	1.7	2.1	2.4				18	8.0
			28 Aug 71	1.5	1.1	1.2				20	8.3
			9 Sept 71	2.0	2.1	2.1				20	8.7
			27 Sept 71	2.2	2.1	2.4				12	9.3

TABLE 94

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA)

ALBANY RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Bog Lake	51° 31'	85° 44'	15 July 71	3.7	1.2	1.5				19	8.4
			23 July 71	2.9	1.5	1.5				18	8.5
			1 Aug 71	2.2	1.7	1.8				17	8.1
			14 Aug 71	4.0	1.5	1.5				16	8.3
			3 Sept 71	4.7	1.1	1.1				20	7.6
			25 Sept 71	5.8	1.2	1.2				9	10.2
Cat Lake	51° 45'	91° 50'	Sept 72		2.1	9.7				13	

TABLE 95

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

ALBANY RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Lingen Lake	51° 55'	85° 15'	7 June 71	2.2	0.8	2.1				11	8.5
			14 June 71	0.9	1.1	2.1				18	7.9
			25 June 71	3.4	0.6	1.8				15	7.7
			15 July 71	3.0	0.5	1.8				18	8.3
			23 July 71	1.9	0.8	1.5				16	8.2
			1 Aug 71	2.3	0.8	2.1				17	8.0
			18 Aug 71	2.6	0.9	2.1				17	8.3
			3 Sept 71	2.9	0.6	2.1				19	7.7
			25 Sept 71	3.5	0.6	1.8				10	10.1

TABLE 96

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

ALBANY RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Lorenz Lake	51° 54'	85° 18'	14 Aug 71		1.2	2.4				17	8.1
Lowertwinlake	50° 10'	86° 31'	12 June 71	1.4	3.1	22.1	20.4	11	8.8	17	8.9
			26 June 71	0.9	3.4	17.1	15.2	13	7.9	19	8.1
			20 July 71	1.4	3.2	24.9	22.8	11	6.3	20	8.3
			25 July 71	1.1	3.1	21.9	20.1	12	5.9	18	8.1
			1 Aug 71	0.7	2.7	21.0	19.2	12	6.1	16	7.9
			15 Aug 71	2.0	3.5	21.3	19.5	11	4.5	17	7.7
			2 Sept 71	1.8	2.6	27.1	25.0	12	3.5	18	7.8
			15 Sept 71		2.6	20.1	18.3	15	7.2	15	8.3

TABLE 97

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

ALBANY RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Lucy Lake	50° 18'	87° 13'	7 June 71	1.2	3.9	15.5	13.7	9	10.0	11	10.1
			14 June 71	0.8	6.1	11.3	9.5	11	8.7	15	9.6
			25 June 71	0.5	6.4	16.8	15.0	10	7.8	17	8.8
			15 July 71	0.7	5.5	13.7	11.9	14	9.2	18	8.9
			23 July 71	0.9	4.9	13.7	11.9	12	7.1	18	8.8
			1 Aug 71	0.5	3.7	11.6	9.8	15	7.9	16	8.1
			14 Aug 71	0.6	3.9	12.5	10.7	15	6.8	17	7.8
			3 Sept 71	0.6	3.5	14.0	12.2	16	5.9	18	8.4
			15 Sept 71		3.4	14.6	12.8	15	8.3	16	8.3
			25 Sept 71	1.8	3.7	17.4	15.5	13	8.1	14	8.7

TABLE 98

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

ALBANY RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
String Bog	51° 31'	85° 44'	14 June 71	1.4						24	
			25 June 71	0.6	0.9	1.1				19	7.5
			15 July 71	2.0	0.9	1.1				21	7.2
			23 July 71	1.1	0.9	1.1				20	7.1
			1 Aug 71	1.7	0.9	1.1				19	
			14 Aug 71	1.6	0.9	1.1				18	7.5
			3 Sept 71	3.3	0.9	1.1				22	6.2
			25 Sept 71	2.2	0.8	1.1				12	9.0

TABLE 99

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

ALBANY RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Wabimeig Lake	51° 28'	85° 35'	7 June 71	2.5	0.6	2.1				12	8.5
			14 June 71	1.7	1.1	2.1				20	7.5
			25 June 71	3.6	0.5	1.8				16	8.0
			15 July 71	4.2	0.5	1.8				19	8.5
			23 July 71	3.2	0.8	1.5				17	8.4
			1 Aug 71	3.3	0.5	1.8				17	7.8
			14 Aug 71	3.2	0.5	1.2				18	8.7
			3 Sept 71	2.9	0.5	1.5				20	7.8
			25 Sept 71	4.0	0.5	1.2				9	10.1

TABLE 100

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA)

ALBANY RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
McCrea Lake	50° 52'	90° 10'	12 June 72	6.8	4.0	7.3				19	
Minis Lake	50° 48'	90° 53'	12 June 72	14.0	3.8					17	
			12 Aug 72		2.7	7.0	5.5	17	7.3	18	7.5
Minnow Lake	50° 11'	86° 46'	19 Aug 72		3.2	6.1				21	8.0
O'Sullivan Lake	50° 25'	87° 00'	19 Aug 72		2.6	6.1				21	7.7
St. Rapheal Lake	50° 45'	91° 11'	12 June 72	4.4	2.4					18	
			12 Aug 72		2.7	13.1	11.2	15	4.0	19	7.4

TABLE 101
PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

ATTAWAPISKAT RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Attawapiskat Lake	52° 15'	87° 55'	21 June 70	<2.0	2.0	10.1	9.0	13.3	8.2	13.3	8.2
			29 June 70	<2.0	2.0	10.1	9.1	17	7.9	17	7.9
			20 July 70	2.4	2.3	13.7	11.9	18	7.0	19	8.4
			31 July 70	2.4	2.1	18.9	17.1	19	7.3	20	7.6
			7 Aug 70	1.4	2.3	23.2	21.3	19	7.1	20	7.8
			13 Aug 70	2.4	1.7	18.6	16.8	19	6.3	22	7.4
			2 Sept 70	1.3	2.0	9.4	7.6	16	8.1	17	8.5
			13 Sept 70	0.9	1.5	22.3	20.4	13	8.8	13	8.7
			25 Sept 70	1.3	1.4	18.9	17.1	10	8.9	10	8.9
			6 Oct 70	0.4	1.5	13.7	11.9	8	10.0	8	9.9

TABLE 102

PHYSICAL PARAMETRES
(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

ATTAWAPISKAT RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Streatfield Lake	52° 08'	85° 55'	7 June 71	4.4	0.5	2.1				11	8.7
			14 June 71	1.4	0.9	1.8				19	7.8
			25 June 71	3.6	0.5	1.8				15	8.1
			15 July 71	5.1	0.5	1.5				18	8.4
			23 July 71	3.2	0.6	1.5				16	8.5
			1 Aug 71	2.9	0.6	1.8				16	8.1
			14 Aug 71	3.3		1.8				16	8.8
			3 Sept 71	4.0	0.4	2.1				18	7.8
			25 Sept 71	4.0	0.5	1.5				9	10.6

TABLE 103

PHYSICAL PARAMETERS
(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

ATTAWAPISKAT RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Menako Lake	52° 03'	90° 08'	5 Aug 71		1.5	3.6				20	
Missisa	52° 20'	85° 05'	6 Jun 72	2.7	0.6	1.2				8	
			18 Jul 72		0.3	1.4				22	

TABLE 104

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

EKWAN RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Boulanger Lake	54° 40'	83° 15'	9 Sept 72		0.6	2.1				12	9.5
Nowashe Lake	53° 45'	83° 10'	9 Sept 72		0.6	1.1				12	9.0

TABLE 105

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

MOOSE RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Saganash Lake	49° 04'	82° 35'	8 June 71	1.2	1.5	4.5	3.7	14	8.4	15	8.2
			22 June 71	2.0	1.2	5.5	3.7	17	8.5	18	7.7
			3 July 71	1.8	1.1	5.2				19	7.5
			17 July 71	2.0	1.2	3.0				19	7.8
			29 July 71	2.7	1.1	7.6	5.8	16	8.1	16	7.8
			17 Aug 71	3.9	1.4	7.9	6.1	18	7.4	18	7.0
			27 Aug 71	4.2	1.5	5.5	3.7	17	7.4	18	7.9
			28 Aug 71	5.0	1.4	5.5	3.7	13	9.0	13	9.0

TABLE 106

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

MOOSE RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Remi Lake	49° 25'	82° 10'	9 June 71	0.9	2.6	6.7	4.9	15	8.2	16	8.4
			22 June 71	1.7	2.4	8.2	6.4	18	7.2	19	8.2
			4 July 71	1.7	2.4	7.6	5.8	19	8.0	20	8.0
			18 July 71	3.5	1.8	8.3	7.0	17	8.0	18	8.6
			30 July 71	2.7	1.7	8.5	6.7	16	8.1	16	8.1
			17 Aug 71	4.2	1.5	6.7	4.9	17	7.7	18	7.8
			27 Aug 71	3.7	1.7	7.6	5.8	17	7.2	19	8.8
			10 Sept 71	3.7	1.7	7.9	6.4	18	7.3	18	8.3
			30 Sept 71	4.5	2.0	7.3	5.5	13	9.0	13	9.4

TABLE 107

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

MOOSE RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Pierre Lake	49° 31'	80° 44'	8 June 71	0.9	1.4	4.3	3.4	14	8.2	14	7.4
			22 June 71	1.5	1.2	6.7	4.9	19	8.9	19	8.2
			2 July 71	1.1	1.5	11.3	9.5	17	6.4	18	7.4
			19 July 71	1.8	1.2	10.4	8.5	17	8.1	17	9.0
			29 July 71	2.9	1.1	7.0	5.2	16	8.0	16	8.0
			17 Aug 71	2.8	1.4	11.0	9.1	17	7.4	18	7.1
			27 Aug 71	2.8	1.4	11.9	11.0	16	7.4	17	7.9
			28 Sept 71	3.8	1.2	10.6	8.8	12	9.0	13	9.1

TABLE 108

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

MOOSE RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (^{o}C)	D.O. (ppm)	TEMP (^{o}C)	D.O. (ppm)
Brunswick Lake	49^{o} 00'	83^{o} 23'	8 June 71	1.7	1.5	4.9				15	7.6
			22 June 71	1.6	2.4	8.2	6.4	15	6.3	19	7.9
			3 July 71	1.8	2.0	8.8	6.7	14	2.5	19	7.8
			17 July 71	1.9	2.1	6.4	4.6	18	6.5	19	7.4
			29 July 71	2.2	1.8	7.9	6.1	17	7.2	17	7.2
			17 Aug 71	3.7	1.8	7.6	5.8	18	6.6	19	7.5
			27 Aug 71	3.7	2.0	7.6	5.8	17	6.6	18	8.0
			28 Aug 71	4.0	2.0	7.9	6.1	14	7.9	14	8.3
Campbell Lake	50^{o} 18'	82^{o} 13'	9 June 72	2.7	0.5	1.1				9	8.2
			13 July 72	3.7	0.6	1.2				23	7.5
			9 Sept 72	3.7	0.6	1.2				15	7.3

TABLE 109

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

MOOSE RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Shannon Lake	49° 47'	83° 23'	8 June 71	0.3	3.0	3.0				15	8.4
			22 June 71	1.0	2.6	2.7				19	8.5
			3 July 71	1.0	2.1	2.1				19	7.9
			17 July 71	1.8	1.8	1.8				17	8.3
			29 July 71	1.4	1.8	2.1				15	8.8
			17 Aug 71	1.1	1.5	1.8				18	7.5
			27 Aug 71	1.6	2.3	2.5				20	9.4
			28 Sept 71	2.9	2.0	2.1				12	9.2
Stringer Lake	50° 11'	80° 53'	9 June 72	5.2	1.1	2.4				10	8.9
			13 July 72	1.8	0.9	2.4				21	7.0
			9 Sept 72	3.5	1.1	1.8				14	7.9

TABLE 110

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

MOOSE RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Kesagami Lake	50° 28'	80° 15'	9 June 72	7.0	0.9	1.5				9	9.3
			13 July 72	3.8	1.1	2.4				19	8.8
			9 Sept 72	3.1	1.1	2.6				14	8.1
Marquis Lake	49° 54'	80° 10'	9 June 72	4.6	2.3	2.4				10	9.4
			13 July 72	3.1	2.2	2.2				19	8.2
			9 Sept 72	7.2	2.4	4.9				16	7.7

TABLE 111

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

SEVERN RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Agusk Lake	54° 38'	89° 30'	26 June 70	<2.0	2.7	2.7	1.5	12.2	9.9	13	9.4
			4 July 70	<2.0	2.1	2.3				15	9.9
			18 July 70	1.4	2.4	2.9				17	8.2
			27 July 70	7.0	0.9	2.1				19	8.1
			3 Aug 70	2.6	1.4	2.7				15	8.9
			11 Aug 70	1.6	2.1	2.3				22	8.6
			7 Sept 70	1.9	1.8	2.4				15	9.4
			14 Sept 70	1.2	1.8	2.1				9	9.9
			28 Sept 70	2.2	1.8	2.1				5	17.7

TABLE 112

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

SEVERN RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Big Trout Lake	53° 45'	90° 00'	18 June 70	<2.0	3.4	31.4	30.5	4	11.4	5	11.3
			24 June 70	<2.0	5.5	32.6	31.7	8	10.6	9	10.5
			5 July 70	<2.0	5.2	35.7	33.5	10	10.4	15	10.2
			19 July 70	1.3	5.8	35.7	33.8	10	8.8	15	9.7
			28 July 70	1.6	3.4	32.0	30.2	12	8.4	18	8.9
			6 Aug 70	1.6	4.0	33.0	31.1	14	7.0	18	8.5
			16 Aug 70	1.3	4.9	33.2	31.4	12	6.4	18	9.1
			4 Sept 70	1.3	3.4	33.0	31.1	15	9.3	15	9.3
			18 Sept 70	0.6	3.4	32.3	30.5	12	10.2	12	10.0
			28 Sept 70	1.5	3.4	31.7	29.9	10	9.6	10	9.7

TABLE 113

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA)

SEVERN RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Kaness Lake	52° 31'	92° 30'	21 June 70	<2.0	1.5	14.6	13.7	8	8.3	16	8.2
			29 June 70	2.0	1.7	22.0	21.0	8	7.8	18	8.0
			20 July 70	3.8	1.5	20.1	18.3	8	7.3	21	8.4
			31 July 70	2.8	1.5	22.6	20.7	8	5.1	20	6.8
			7 Aug 70	1.4	1.5	23.5	22.6	8	5.5	23	7.9
			13 Aug 70	2.8	1.7	20.7	18.9	8	6.4	23	8.0
			5 Sept 70	0.6	1.5	22.3	21.3	7	2.9	17	8.7
			11 Sept 70	0.6	1.7	19.8	18.0	8	4.0	15	8.2
			25 Sept 70	0.3	1.5	18.3	16.5	10	8.3	12	8.8
			5 Oct 70	0.4	2.0	15.8	14.0	9	8.5	9	9.1

TABLE 114

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

SEVERN RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
North Spirit Lake	52° 30'	92° 55'	21 June 70	<2.0	1.7	14.6	13.7	11	8.7	15	8.4
			29 June 70	<2.0	1.8	15.2	14.3	13	8.1	17	8.3
			20 July 70	3.1	1.7	19.5	17.9	12	7.2	21	8.6
			31 July 70	2.6	1.5	15.5	13.7	20	7.8	20	8.9
			7 Aug 70	2.0	1.8	13.1	11.3	19	6.8	23	7.9
			13 Aug 70	1.7	2.1	21.0	19.2	15	5.0	23	7.4
			5 Sept 70	0.6	2.3	22.6	21.7	13	3.7	17	9.0
			11 Sept 70	0.3	1.7	19.2	17.7	15	8.6	15	8.4
			25 Sept 70	0.4	1.7	17.7	15.8	13	8.8	13	8.9
			5 Oct 70	0.6	2.1	18.9	17.1	10	9.9	11	9.7

TABLE 115

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA)

SEVERN RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Sandybank Lake	54° 50'	89° 40'	26 June 70	<2.0	1.5	1.8					9.5
			4 July 70	2.0	1.8	5.2	3.4	17	10.0	17	10.2
			18 July 70	2.6	1.5	2.4				19	
			27 July 70	2.6	0.9	2.4				21	8.8
			4 Aug 70	2.8	1.1	2.1				16	9.1
			11 Aug 70	2.2	1.4	2.4				23	8.3
			7 Sept 70	1.9	1.2	2.4				16	9.5
			15 Sept 70	1.8	1.4	2.4				8	10.5
			30 Sept 70	2.6	1.2	2.4				6	11.6
Sayer Lake	55° 00'	87° 45'	11 Aug 70	1.9	1.5	1.8				22	8.5
Shamattawa Lake	54° 25'	85° 40'	12 Aug 71		1.4	3.7				16	

TABLE 116

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

SEVERN RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Big Trout Lake Bog	53° 51'	89° 53'	28 June 70		1.2	1.4				20	8.0
			5 July 70	2.0	1.3	1.7				19	7.4
			21 July 70	0.9	1.2	1.4				22	7.7
			28 July 70	1.0	1.2	1.2				21	6.7
			5 Aug 70	1.1	1.2	1.4				19	7.8
			16 Aug 70	2.0	1.2	1.4				18	8.2
			4 Sept 70	0.3	0.9	0.9				13	9.1
			18 Sept 70	0.4	0.9	0.9				11	10.3
			28 Sept 70	0.6	1.1	1.2				5	10.2
Deer Lake	52° 42'	94° 30'	7 Aug 71		3.4	20.1				20	
Dog Lake	54° 35'	89° 36'	11 Aug 70	3.2	1.2	1.2				22	8.5

TABLE 117

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

SEVERN RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Harvey Lake	55° 38'	88°21'	3 Aug 70	0.9	1.5	1.8				14	9.1
J.E.N. Lake	55° 13'	87°50'	9 Aug 71		1.7	18				12	

TABLE 118

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

SEVERN RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Nikip Lake	52° 55'	91° 56'	7 Aug 71		1.2	3.3				22	
North Caribou Lake	52°45'	90° 30'	5 Aug 71		2.0	8.2				17	

TABLE 119

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

SEVERN RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Otter Lake	54° 11'	88° 55'	11 Aug 70	2.9	0.9	1.5				23	8.7
Sachigo Lake	53° 45'	92° 05'	5 Sept 70	1.3	0.8	3.0				14	9.3
Sandy Lake	53° 00'	93° 00'	13 Aug 70	7.5	0.5	4.8	3.1	22	2.3	23	8.0
			5 Sept 70	1.3	0.5	28.8	26.8	16	7.8	16	8.4
			5 Oct 70	5.4	0.5	4.8	3.1	7	10.8	7	10.8
			7 Aug 71		0.5	9.4	9.8	19	7.4	20	7.9
			12 Oct 71		0.3	3.4				4	10.8
			20 Sept 72		0.3	5.5				10	

TABLE 120

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

WINISK RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Atikameg Lake	54° 15'	88° 22'	26 June 70	4.0	1.2	1.8					8.8
			4 July 70	<2.0	1.5	2.0				15	10.1
			18 July 70	4.0	1.1	1.8				17	7.5
			27 July 70	1.9	0.8	1.8				20	8.1
			4 Aug 70	4.0	0.8	2.1				16	8.5
			11 Aug 70	4.8	0.8	1.8				22	8.2
			7 Sept 70	5.2	1.1	2.1				14	9.3
			14 Sept 70	6.4	0.5	1.8				8	10.9
			30 Sept 70	7.2	0.6	1.8				5	11.5
			11 Oct 70	8.8	0.3	2.1				3	12.3

TABLE 121

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

WINISK RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Fog Lake	55° 14'	86° 36'	4 Aug 70	1.3	2.1	2.4				15	9.3
Hill Lake	54° 34'	87° 22'	4 Aug 70	1.8	1.1	1.2				15	8.6
Hook Lake	54° 37'	86° 56'	4 Aug 70	3.4	0.9	1.1				15	8.8
Horseshoe Lake	52° 20'	90° 44'	19 Sept 70		2.6	7.6				9	
H. B. Lake	54° 40'	83° 40'	27 Jul 70		0.9	0.9				18	9.7
			11 Aug 70		0.9	0.9				10	
I E O Lake	55° 20'	86° 36'	27 Jul 70	1.8	1.2	2.3				19	8.5

TABLE 122

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

WINISK RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Kasabonika Lake	53° 35'	88° 30'	21 June 70	<2.0	2.0	4.0	3.0	15	8.3	15	8.2
			29 June 70	<2.0	2.1	4.0	2.4	17	8.2	17	8.1
			20 July 70	2.4	2.3	4.9	4.0	18	8.3	18	8.6
			31 July 70	2.1	2.4	4.9				19	8.0
			7 Aug 70	1.3	2.3	4.0				19	8.1
			13 Aug 70	1.5	2.6	4.0				22	8.0
			2 Sept 70	0.5	2.7	3.7				15	9.6
			14 Sept 70	1.3	2.1	3.0				10	9.9
			25 Sept 70	0.9	2.7	4.0				9	9.6
			6 Oct 70	0.3	2.4	4.0				6	10.9

TABLE 123

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

WINISK RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Loon Lake	54° 50'	85° 26'	4 Aug 70	4.2	0.9	1.1				15	8.9
N.O.W.R.S. Bog	54° 14'	88° 23'	18 Jul 70	2.6	1.1	1.1				17	8.3
			4 Aug 70	3.6	0.9	1.1				15	8.3
			27 Jul 70	7.0	1.2	1.2				21	7.9

TABLE 124

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

WINISK RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Shagamu Bog	55° 04'	87° 05'	26 June 70	3.0						14	8.9
			4 July 70	<2.0	0.9	0.9				19	9.1
			18 July 70	2.2	0.9	0.9				15	8.5
			27 July 70	2.8	0.9	0.9				18	7.7
			11 Aug 70	2.7	0.9	0.9				24	7.2
			7 Sept 70	2.5	0.9	0.9				15	8.3
			30 Sept 70	0.9	0.9	0.9				4	11.8
			11 Oct 70	0.4	0.9	0.9				3	11.6

TABLE 125

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

Winisk River Basin

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Shagamu Lake	55° 04'	87° 03'	19 June 70	<2.0	1.8	2.4	1.5	15	9.5	15	10.2
			26 June 70	<2.0	1.8	2.4					9.9
			4 July 70	<2.0	2.0	2.1				14	10.3
			18 July 70	2.2	1.8	2.4				15	8.9
			27 July 70	4.8	1.3	1.5				19	8.5
			3 Aug 70	2.6	1.2	2.7				14	9.3
			11 Aug 70	1.9	1.8	2.7				21	8.7
			7 Sept 70	2.2	1.4	1.8				15	9.5
			14 Sept 70	2.6	0.9	2.4				8	11.1
			30 Sept 70	1.9	1.2	1.7				4	11.8
			11 Oct 70	4.4	1.5	1.8				3	12.6

TABLE 126

PHYSICAL PARAMETERS

(CHLOROPHYLL, SECCHI DISC, DEPTH, WATER TEMPERATURE, DISSOLVED OXYGEN, DATA.)

WINISK RIVER BASIN

NAME	LATITUDE NORTH	LONGITUDE WEST	DATE	CHLORO-PHYLL a (ppb)	SECCHI DISC READING (M)	DEPTH AT SAMPLING LOCATION (M)	SAMPLING LEVELS				
							ONE METRE ABOVE BOTTOM			ONE METRE BELOW SURFACE	
							DEPTH (M)	TEMP (°C)	D.O. (ppm)	TEMP (°C)	D.O. (ppm)
Wunnummin Lake	53° 38'	88°35'	21 June 70	<2.0	2.3	7.3	6.1	12	8.9	13	8.9
			29 June 70	<2.0	2.3	17.7	16.8	14	8.7	15	7.7
			20 July 70	2.8	2.4	17.0	15.2	16	7.7	17	8.7
			31 July 70	2.1	2.1	19.5	17.7	18	7.1	19	8.2
			7 Aug 70	2.7	2.6	29.0	27.1	18	6.8	19	8.0
			13 Aug 70	2.0	2.9	26.2	24.4	19	6.6	21	8.6
			2 Sept 70	0.5	3.2	22.0	19.5	16	8.6	17	9.0
			13 Sept 70	0.9	1.8	24.7	22.9	13	9.3	13	9.0
			25 Sept 70	1.5	2.4	28.0	26.2	11	9.1	11	9.2
			6 Oct 70	0.4	2.4	31.0	29.3	8	10.3	8	10.3
Winisk Lake	52° 55'	87° 25'	12 Aug 71		2.0	9.1				17	

SEDIMENT ANALYSIS

TABLE 129
SEDIMENT ANALYSES

ATTAWAPISKAT RIVER BASIN

NAME	Latitude	Longitude	Date	Calcium Ca mg/g	Iron Fe mg/g	Manganese Mn mg/g	Nitrogen N mg/g	Phosphorus P mg/g	Loss on Drying (103°c.) %	Loss on Ignition (600°c.) %
Attawapiskat Lake	52°15'	87°55'	5 Aug. 71	6.2	30.0	3.2	2.1	1.1	65	8.2
Menaco Lake	52°03'	90°08'	5 Aug. 71	3.5	35.0	0.28	0.86	0.37	28	1.9
Streatfield Lake	52°08'	85°55'	14 Aug. 71	6.3	12.0	0.30	4.7	0.51	66	17

All concentrations are expressed as mg/g dry weight

TABLE 130
SEDIMENT ANALYSES

EKWAN RIVER BASIN

NAME	Latitude	Longitude	Date	Calcium Ca mg/g	Iron Fe mg/g	Manganese Mn mg/g	Nitrogen N mg/g	Phosphorus P mg/g	Loss on Drying (103°c.) %	Loss on Ignition (600°c.) %
Boulange Lake	54°40'	84°10'	11 Aug. 71	46.0	16.0	0.4	11.0	1.3	78	29
			9 Aug. 72		19.0	0.3	21.0	1.3	94	53
Nowaske Lake	53°45'	83°10'	9 Aug. 72		19.0	0.3	10.0	0.54	69.5	26

All concentrations are expressed as mg/g dry weight

TABLE 131
SEDIMENT ANALYSES

HARRICANAW RIVER BASIN

NAME	Latitude	Longitude	Date	Calcium Ca mg/g	Iron Fe mg/g	Manganese Mn mg/g	Nitrogen N mg/g	Phosphorus P mg/g	Loss on Drying (103°c.) %	Loss on Ignition (600°c.) %
Kesagami Lake	50°28'	80°15'	9 Sep. 72		20.0	0.5	2.7	0.7	69.5	10
Marquis Lake	49°54'	80°10'	9 Sep. 72		29.0	1.1	4.9	1.1	80	15

All concentrations are expressed as mg/g dry weight

TABLE 132
SEDIMENT ANALYSES

MOOSE RIVER BASIN

NAME	Latitude	Longitude	Date	Calcium Ca mg/g	Iron Fe mg/g	Manganese Mn mg/g	Nitrogen N mg/g	Phosphorus P mg/g	Loss on Drying (103°c.) %	Loss on Ignition (600°c.) %
Brunswick Lake	49°00'	83°23'	10 Sep. 72		35.0	0.7	3.7	1.0	71	9
Cambell Lake	50°18'	82°13'	10 Sep. 72		15.0	0.3	13.0	0.84	90	50
Pierre Lake	49°31'	80°44'	9 Sep. 72		43.0	1.4	3.2	1.2	72	9
Remi Lake	49°25'	82°10'	16 Aug. 71	15.0	14.0	1.1	6.7	0.95	83	16
Saganash Lake	49°04'	82°35'	10 Sep. 72		45.0	0.7	3.0	1.0	73	9
Shannon Lake	49°47'	83°23'	10 Sep. 72		35.0	0.5	12.0	1.1	89	29
Stringer Lake	50°11'	80°53'	7 Sep. 72		33.0	1.2	3.7	1.0	76	14

All concentrations are expressed as mg/g dry weight

TABLE 133
SEDIMENT ANALYSES

SEVERN RIVER BASIN

NAME	Latitude	Longitude	Date	Calcium Ca mg/g	Iron Fe mg/g	Manganese Mn mg/g	Nitrogen N mg/g	Phosphorus P mg/g	Loss on Drying (103°c.) %	Loss on Ignition (600°c.) %
Agusk Lake	54°38'	89°30'	9 Aug. 71	12.0	9.8	0.67	18.0	0.98	94	52
Big Trout Lake Bog	53°51'	89°53'	8 Aug. 71	18.0	2.8	0.24	24.0	1.3	91.5	65
Big Trout Lake	53°45'	90°00'	6 Aug. 71	6.4	48.0	3.6	8.6	1.7	84	16
Deer Lake	52°42'	94°30'	7 Aug. 71	6.0	16.0	0.54	4.6	1.5	86	14.4
Jew Lake	55°13'	87°50'	9 Aug. 71	15.0	17.0	0.56	20.0	0.65	83	68
Nikip Lake	52°55'	91°56'	7 Aug. 71	12.0	25.0	0.78	5.2	0.8	96	14
North Caribou Lake	52°45'	90°30'	5 Aug. 71	7.1	15.0	0.81	11.0	1.3	92	27
North Spirit Lake	52°30'	92°55'	7 Aug. 71	7.7	320.0	9.7	1.6	5.8	37	12
Kaness Lake	52°37'	92°31'	7 Aug. 71	5.2	18.0	1.4	1.9	1.1	62	5.8
Sachigo Lake	53°50'	92°00'	7 Aug. 71	7.5	39.0	1.2	2.4	0.9	76	6.9
Sandybank Lake	54°50'	89°40'	9 Aug. 71	8.5	11.0	0.3	24.0	0.68	96	54
Sandy Lake	53°00'	93°00'	7 Aug. 71	7.6	43.0	5.1	1.7	1.2	71	63
			Sep. 72		50.0	3.4	1.7	0.98	65	5.5
Sandy Lake Mud from Bank			Sep. 72		45.0	0.6	<0.5	0.55	20	4.0

All concentrations are expressed as mg/g dry weight

DATE	ISSUED TO

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Ontario

MINISTRY OF THE ENVIRONMENT

Water Quantity Management Branch

WATER RESOURCES SURVEY

NORTHERN ONTARIO

MAP 2006-10

HYDROMETRIC STATIONS 1972

Scale 1 inch equals 33 miles

20 0 20 40 60 80 100 Miles

40 0 40 80 120 Kilometres

Base map derived from Map MCR 39, Dept. of Mines and Technical Surveys, Ottawa, 1962.

LEGEND

Streamflow gauging station, recording gauge, open water period	△ 002
Streamflow gauging station, recording gauge (Environment Ontario)	▲ 009
Streamflow gauging station, recording gauge (Environment Canada)	▲ 4FB-2
Lake gauge	▮ 4GC-1
Meteorological station	★ COCHRANE
Precipitation station only, recording gauge	☆ FORT HOPE
Snow course	✳ 001
Ground water observation station	◎ 004
Ground water observation station, recording gauge	◎ 003R
Ground water observation station, two piezometers	◎ 007(2)
Environment Ontario station	△ ▲ ✳ ◎ ▮
Environment Canada station	▲ ▮ ★ ☆
Abandoned station	/

To accompany Water Resources Bulletin 1-4

INSET A
PICKLE LAKE AREA
Scale 1:125,000

INSET B
NAKINA AREA
Scale 1:125,000

Second Edition 1973

Lambert Conformal Conic Projection